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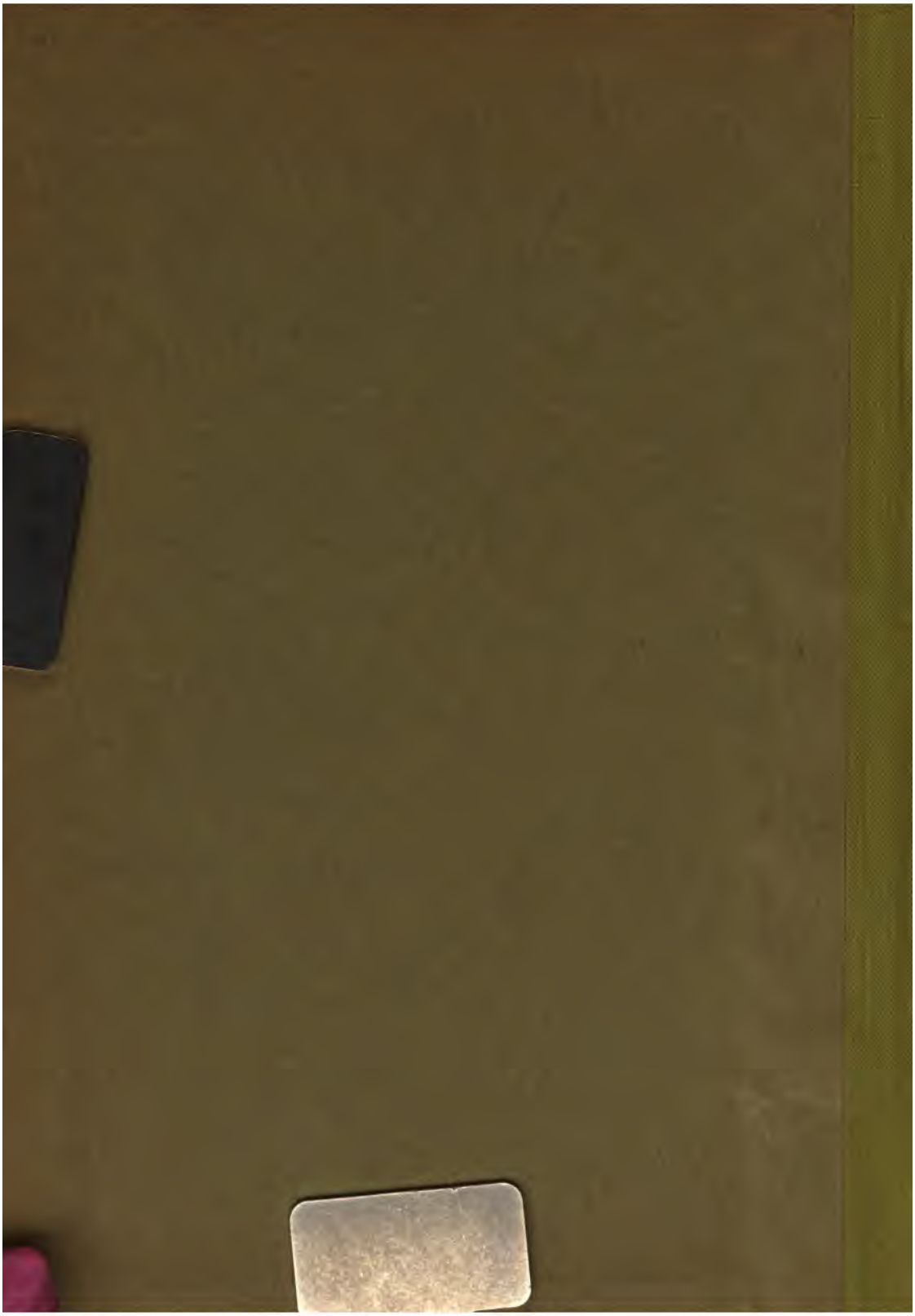

MINUTES

OF THE

AQUEDUCT COMMISSIONERS.

1893.

VOLUME 9.

NEW YORK:
MARTIN B. BROWN, PRINTER AND STATIONER
NOS. 49 TO 57 PARK PLACE.

1894.

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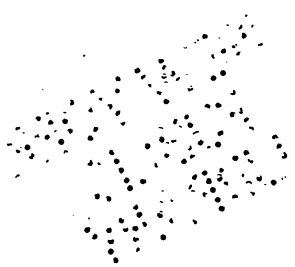

AQUEDUCT COMMISSION.

NOTE.—On Wednesday, January 4, 1893, no quorum being present, the meeting was adjourned.

J. C. LULLEY, Secretary.

NOTE.—On Wednesday, January 11, 1893, no quorum being present, the meeting was adjourned.

J. C. LULLEY, Secretary.

Minutes of Special Meeting of the Aqueduct Commissioners, held at their Office, No. 209 Stewart Building, on Friday, January 13, 1893, at 11 o'clock A. M.

Present—The Comptroller, and Commissioners Duane, Tucker and Scott.

The Committee of Finance and Audit reported their examination and audit of Voucher No. 8456, being final estimate for work done on East Branch Reservoir Dam, amounting to $40,030.87, and of Vouchers Nos. 8468 to 8473, inclusive, being estimates for work done by contractors, amounting to $30,631.99; also of bills contained in Vouchers Nos. 8457 to 8466, inclusive, and 8474 to 8482, inclusive, amounting to $1,374.55.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Construction or Executive Committee recommended the adoption of the following preamble and resolutions:

Whereas, The Chief Engineer has verbally reported to the Committee on Construction, that since the last approximate estimate for work done on the gate-house superstructure at Croton Dam, the contractors have done work amounting, in contract prices, to the sum of seven thousand two hundred and eighty-six dollars and one cent, none of which has been paid to them; and has further reported that there still remains a slight amount of work to be done under said contract before same can be finally accepted, the amount of which will not exceed the retained percentage in the hands of the City; therefore

Resolved, That the time for the completion of said contract be and hereby is extended to May 1, 1893, upon the contractors entering into the same stipulations as were entered into by them when the last extension of time for the completion of said contract was granted on January 27, 1892; and further

Resolved, That the Chief Engineer be requested to furnish the Commissioners with an approximate estimate for the amounts due the contractors for work done since their last approximate estimate.

The same were adopted by the following vote:

Affirmative—The Comptroller, and Commissioners Duane, Tucker and Scott—4.

The Committe also presented the following communication received from the Chief Engineer:

NEW YORK, January 4, 1893.

To the Honorable the Committee on Construction:

GENTLEMEN—In accordance with the verbal authorization given me at your last meeting, I met at Brewster, Mr. Wilcox, of the firm of Coldwell-Wilcox Company, and after a thorough examination of the tunnel-gate, I gave him orders to proceed with the work for the improvement of certain working parts of the same.

The work is to be done partly in the shop and partly on the ground. It is almost impossible to give an exact estimate of the cost of the said work, but I believe that it will be below $500.

I am, respectfully,

A. FTELEY, Chief Engineer.

—and recommended the adoption of the following resolution:

Resolved, That the action of the Chief Engineer in ordering Coldwell-Wilcox Company to proceed with the work for the improvement of certain working parts of the tunnel gate of the East Branch Reservoir be and hereby is approved, and an appropriation of five hundred dollars is hereby made to cover the cost thereof.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That the Purveyor be and is hereby authorized to take the necessary steps to sell at public auction two horses now in Carmel, New York, which are no longer needed by the Aqueduct Commissioners, and report the result of such sale to this Commission.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended the adoption of the following preambles and resolution:

Whereas, On May 25, 1892, the Aqueduct Commissioners, by resolution, awarded to John F. Rourke the work of furnishing the iron work for the upper works of the hoisting apparatus at Shafts Nos. 24 and 25 of the New Aqueduct; and

Whereas, On December 16, 1892, said John F. Rourke notified the Aqueduct Commissioners that he desired to assign said work to John Leonard; and

Whereas, The Aqueduct Commissioners after having given the matter careful examination and being satisfied that it will be beneficial to the City to assent to said assignment, we recommend the adoption of the following resolution :

Resolved, That the Aqueduct Commissioners do hereby assent and consent to the assignment of the work of furnishing the iron work for the upper works of the hoisting apparatus at Shafts Nos. 24 and 25 of the New Aqueduct from John F. Rourke to John Leonard.

On motion of Commissioner Scott, the same were adopted.

The Committee also recommended the adoption of the following preambles and resolutions :

Whereas, The City of New York, through the Aqueduct Commission, has used and occupied since September 1, 1888, three lots or parcels of land at Brewster, Putnam County, N. Y., shown on the accompanying map, and thereon marked "4¼," "4½" and "4¾," which lots contain 2.272 acres, and belong to William A. Storm ; and

Whereas, It is necessary that the City shall acquire title to said land in fee simple ; and

Whereas, The said William A. Storm has offered, in writing, to sell said lots of land to the City of New York for the sum of six hundred dollars, which sum is to include not only the price of said land, but also all claim or claims he may have against the City of New York for the use and occupation of said land, and for interest upon the value thereof from the date said occupation commenced, and for damages of every kind and nature arising out of said occupation ; and

Whereas, The Chief Engineer of the Aqueduct Commission and Henry T. Dykman, Esq., Special Counsel for the City of New York in the matter of the acquisition of land in Putnam County, have both reported, in writing, to said Commission that said offer is reasonable, and that it would be to the best interests of the City of New York that the same should be accepted ;

Resolved, That the Aqueduct Commission (subject to the approval of the Board of Estimate and Apportionment) hereby approves and accepts the aforesaid offer and proposition of said William A. Storm, and agrees to pay him the said sum of six hundred dollars for said land, and for a full release of all of his said claims, provided that he makes and executes a deed and release satisfactory in form to the Counsel to the Corporation, and provided further that said Counsel to the Corporation, upon examination, shall be satisfied and shall certify, in writing, that said William A. Storm is seized of said land in fee simple ; has good right to convey the same, and that the same is free from incumbrance.

Resolved, That this resolution be referred to the Board of Estimate and Apportionment for approval, and that there be transmitted to said Board therewith the accompanying map or survey and the letters of the Chief Engineer and of Henry T. Dykman, Esq., approving said settlement and purchase.

The same were adopted by the following vote :

Affirmative—The Comptroller, and Commissioners Duane, Tucker and Scott—4.

The Committee also recommended the adoption of the following preambles and resolutions :

Whereas, The City of New York, through the Aqueduct Commission, has used and occupied since September 1, 1888, the lot or parcel of land at Brewster, Putn County, N. Y., showr

the accompanying map and thereon marked "15B"; which lot contains 1.692 acres, and belongs to Lydia M. Yale; and

Whereas, It is necessary that the City shall acquire title to said land in fee simple; and

Whereas, The said Lydia M. Yale has offered, in writing, to sell said lot of land to the City of New York for the sum of four hundred and twenty dollars, which sum is to include not only the price of said land, but also all claim or claims she may have against the City of New York for the use and occupation of said land, and for interest upon the value thereof from the date said occupation commenced, and for damages of every kind and nature arising out of said occupation; and

Whereas, The Chief Engineer of the Aqueduct Commission and Henry T. Dykman, Esq., Special Counsel for the City of New York in the matter of the acquisition of land in Putnam County, have both reported, in writing, to said Commission, that said offer is reasonable, and that it would be to the best interests of the City of New York that the same should be accepted;

Resolved, That the Aqueduct Commission (subject to the approval of the Board of Estimate and Apportionment) hereby approves and accepts the aforesaid offer and proposition of said Lydia M. Yale, and agrees to pay the said sum of four hundred and twenty dollars for said land, and for a full release of all of her said claims, provided that she makes and executes a deed and release satisfactory in form to the Counsel to the Corporation, and provided further that said Counsel to the Corporation, upon examination, shall be satisfied and shall certify in writing, that said Lydia M. Yale is seized of said land in fee simple; has good right to convey the same, and that the same is free from incumbrance.

Resolved, That this resolution be referred to the Board of Estimate and Apportionment for approval, and that there be transmitted to said Board therewith the accompanying map or survey, and the letters of the Chief Engineer and of Henry T. Dykman, Esq., approving said settlement and purchase.

The same were adopted by the following vote:

Affirmative—The Comptroller, and Commissioners Duane, Tucker and Scott—4.

The Committee also recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of S. A. Outhouse, for moving office safe, furniture, etc., from Croton Dam to the New Croton Dam office, amounting to ten dollars, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of Kellogg & Elliott for use of teams for party engaged on surveys near Katonah, New York amounting to forty-three dollars, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of Sullivan, Rider & Dougherty, contractors, for one and one-half bushels of grass seed used at Sodom Dam, New York, amounting to seven dollars and twenty-three cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Scott, the same was adopted.

The Comptroller, under date of December 31, 1892, gave notice of the issue of warrants for the payment of vouchers not certified to by the Aqueduct Commissioners, for

Westchester County Section	$300 00
Cornell Dam	1,300 00
Reservoir "M"	6,596 05
Reservoir "D"	88 56

—leaving a balance to the credit of "Additional Water Fund" of $130,771.67.

Also stating that on December 23, 1892, bonds were issued to the amount of $100,000.

Which was ordered entered upon the books of the Commission and filed.

The Committee also presented the following report received from the Secretary, showing the expenditure of the Aqueduct Commission from its inception to December 31, 1892; and recommended that the same be spread in full on the minutes and filed :

Abstract of Trial Balance, December 31, 1892.

Commissioners' Office.		
Salaries of Commissioners	$224,602 07	
Salaries of Secretary and employees	129,459 83	
Stationery	3,750 54	
Furniture and fixtures	3,278 71	
Rent	37,348 00	
Incidental expenses	6,240 77	
Books, maps and drawings	439 10	
Traveling expenses	1,543 14	
Advertising	28,644 89	
Stenographic reports	4 334 29	
		$439.641 34
Chief Engineer's Office.		
Salaries of Engineers, etc	$465,106 15	
Stationery	6,403 41	
Furniture and fixtures	4,593 79	
Rent	[illegible]305 75	

MINUTES

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1894.

SECTION.	ESTIMATE.	CONTRACTOR.		
3' x 4' sluice-gates, etc., Pocantico, Ardsley and South Yonkers Gate-houses, Sections 4, 7 and 9	Final.	John Fox	$6,750 00	
3' x 6' sluice-gates, etc., New Croton Gate-house, Section 1	"	"	21,900 00	
Earth and masonry dam, Reservoir M, on Titicus river, near Purdy's Station	....	Washburn, Shaler & Washburn	464,470 26	
Gate-house superstructure at South Yonkers, Section 9	Final.	O'Brien & Clark	20,349 79	
Gate-house superstructure, etc., for new gate chambers at Croton Dam, Section 1	....	Smith, Brown & Coleman	39,708 90	
Combined stationary hoisting engines, etc., for Shaft 25, Section 12	Final.	Charles Peterson	11,250 00	
Two pairs horizontal tubular boilers, etc., Shaft 25, Section 12	"	West Point Manufacturing Company.	11,900 00	
Earth and masonry dam, Reservoir D	....	Michael S. Coleman	120,023 34	
Auxiliary earth and masonry dam, near Craft's Station, Reservoir D	....	"	56,921 64	
Eleven head-house superstructures, etc., for the shafts	Final.	Breuchaud, Pennell & Co	40,251 28	
Blow-off Shaft 24, Section A	....	John M. Waddle	1,644 91	
" 24, " A	....	John F. Gaynor, assignee of John M. Waddle	16,575 85	
Two complete portable hoisting plants	Final.	West Point Manufacturing Company	7,800 00	
Highway, retaining-walls, appurtenances, etc., Croton Dam	....	Augustine M. Newton	16,717 09	
Grading, improving and fencing grounds, One Hundred and Thirty-fifth street Gate-house	....	Peter J. Moran	9,564 77	
Grading, improving and fencing grounds at several of the shafts	....	Hyman Levy and Thomas Quinn	13,729 59	
Head-house and engine-room, superstructure, etc., Shaft 25	....	John Pierce, assignee of W. H. Baker	13,401 77	
Two brick engine-houses for the portable hoisting plants	....	John Twiname	9,546 00	
New Croton Dam	....	James S. Coleman	3,637 98	
				$20,978,770 40

Agreements.

	ESTIMATE.	CONTRACTORS.	
Shaft 11C, Section 5	Final.	Brown, Howard & Co	$5,000 00
" 12C, " 6	"	O'Brien & Clark	5,000 00
" 16½, " 8	"	"	5,000 00
" 18½, " 9	"	"	5,000 00
" 19½, " B	"	Heman Clark	5,000 00
" 17½, " 8	"	Thomas O'Hern	2,222 12
Culvert at Shaft 19, Section 9	"	O'Brien & Clark	4,893 74
" 20, " B	"	Heman Clark	2,932 05
" 23, " A	"	O'Brien & Clark	3,208 86
Crib dock, near Shaft 25, Section 12	"	Charles Peterson	3,694 60

	ESTIMATE.	CONTRACTOR.		
Ironwork—For Saw Mill River blow-off, etc., Section 7	Final.	Coldwell, Wilcox & Co.	$1,962 57	
Ironwork—For Pocantico blow-off, etc., Section 4	"	"	144 11	
Ironwork—For Tibbett's Brook blow-off, etc., Section 9	"	"	144 11	
Ironwork—For lining Shafts 22 and 23, Section A	"	"	3,463 43	
Ironwork—For lining Shaft 20, Section B	"	"	2,663 28	
Ironwork—For lining Shaft 28, Section 13	"	"	2,315 02	
Ironwork—For lining Shaft 29, Section 14	"	"	2,358 57	
Ironwork—For lining Shaft 24, Section A	"	The McNeal Pipe and Foundry Company	987 32	
Cast and wrought iron ladders for shafts, Sections 1 to 9 and B and A	"	Coldwell, Wilcox & Co.	2,824 25	
Roof, iron floor plates, etc., at Ardsley Gate-house, Section 7	"	"	3,326 70	
Cast-iron special pipe lining and manhole covers, etc., Shaft 24, Section A	"	"	4,931 19	
Filling low ground, Shaft Site No. 12, Section 6	"	O'Brien & Clark	4,910 00	
Cave-in, Shaft 13, Section 7	"	"	5,000 00	
Laying 20" pipe along the incline adjacent to Shaft 24, Section A.	"	"	2,895 83	
Grouting near Shaft 17½ on Section 8	"	"	4,427 50	
Grouting, Stations 778+00 and 779+30, Section 7	"	"	1,075 00	
Grouting on Section 13	"	Rogers, Shanly & Co.	5,000 00	
Grouting near Shaft 30	"	Breuchaud, Pennell & Co.	2,900 93	
Highway, trestle-work and bridges at Croton Dam, Section 1	"	Smith & Brown	4,500 00	
Sodding the South Yonkers embankment on Section 9	"	Rider & Dougherty	1,575 57	
Taking down and enlarging top of Shaft 11C, Section 5	"	C. L. Kalmbach	2,917 32	
Walls, foundations, etc., near Blow-off Chamber, Shaft 25, Section 12	"	Charles Peterson	2,233 12	
Frame head-house and engine-room at Shaft 25, Section 12	"	"	3,690 00	
Frame boiler-house and coal bin at Shaft 25, Section 12	"	"	3,635 00	
9" anti-friction pump and improved turbine wheel, etc., Croton Dam Gate-house, Section 1	"	Joseph Edwards & Co.	2,135 00	
6.2' x 5' sluice-gates at Bog Brook and Sodom Dams	"	John Fox	4,200 00	
Pivot gate, Bog Brook Dams 1 and 2	"	Coldwell, Wilcox & Co	2,445 00	
Finishing Shaft 21	"	William H. Baker	1,660 81	
Fence at Shaft 24	"	Francis V. Smith	865 24	
Soiling, sodding and seeding the slopes and adjacent ground, Shaft 24	"	John Twiname	900 90	
				$124,039 14
Bailing, pumping and taking care of water on Section A			$1,309 50	
Pumping water in iron pipes, Section 12			6,063 65	
" " 13			5,405 00	
" " 14			7,935 00	

Iron pipe laid in tunnel, Section A	$4,615 76
" " B	980 50
48-inch pipes at Shaft 11B	327 50
48-inch stop-cock valves	4,500 00
Iron work, etc.—	
At shafts	18,845 02
For gate-houses and blow-offs	16,695 58
For dams	5,512 99
Timber work, etc., at shafts and gate-houses	19,737 53
Explorations under the Harlem river	4,384 26
Experimental section in concrete at Shaft 18	185 25
Extra work, etc., on Section 1	4,616 03
" " 6	42 70
" " 12	171 35
" " 14	696 21
" " 15	89 32
" " 16	668 98
" enlarging Shaft 11C	147 81
" on the Pocantico Gate-house	287 44
" on the eleven head-houses	220 00
" on Dams Nos 1 and 2	444 31
Additional work, Section 9	49 37
" " 12	65 73
" " A	1,609 56
" East Branch Reservoir Dam	1,497 03
" Dams Nos. 1 and 2	213 12
" earth and masonry dam, Reservoir M	1,339 53
" highways or roads, etc., at East Branch and Bog Brook Reservoirs	3,095 00
" Shaft 21	95 85
" two brick engine-houses	897 00
" iron-lined masonry Aqueduct	2,000 00
" grubbing and clearing grounds, Shaft 24	40 70
" Shafts 15½ and 16	43 50
Removing solid rock in Harlem river, near Shaft 25	701 03
Grading, etc., trenches, Quaker Bridge Dam site	150 00
Grading and finishing the grounds adjacent Shaft 19⅝	125 00
Surveys and topographical map, Croton watershed	7,000 00
Soundings south of One Hundred and Thirty-fifth street	931 18
Sinking test pits—	
Titicus river and Reservoir D Dam sites	540 35
Cornell Dam sites	63 56

Hoisting-engines for shafts	$1,565 00	
Coating interior of Aqueduct with cement	8,384 37	
Telephone line	4,995 62	
Preparing, pumping, etc., inverted siphon, section 12	2,643 91	
Preparing the Aqueduct for permanent use	211 66	
Iron bridge on the East Branch of the Croton river	2,145 00	
Fencing around reservoirs, shaft-sites, etc	1,533 04	
		$145,817 80
Commissioners of Appraisal—Awards.		
Twenty-fourth Ward	$163,090 47	
Manhattan Island Section	802,230 93	
Westchester County	266,629 58	
Putnam County Section	508,278 07	
		1,740,229 05
Commissioners of Appraisal.		
City and County of New York	$100,022 42	
Westchester County	231,000 25	
Manhattan Island Section	78,503 04	
Putnam County Section	125,822 63	
		535,348 34
Total expenditures		$26,779,739 14
Cr.		
Additional Water Stock	$26,145,000 00	
Premium account	607,168 70	
Additional Water Fund—"Miscellaneous"	8,212 46	
Total receipts	$26,760,381 16	
Balance, Comptroller's account vs. Aqueduct Commissioners	19,357 98	
		$26,779,739 14

Statement of Receipts and Expenditures of the Aqueduct Commissioners, December 31, 1892.

RECEIPTS.		
From Bonds Issued—		
Amount of bonds	$26,145,000 00	
Premiums on same	607,168 70	
		$26,752,168
From proceeds of miscellaneous sales, etc		8,211
Total receipts		

EXPENDITURES.			
Vouchers, pay-rolls, etc	$3,197,664 59		
Contracts, agreements, etc	21,248,627 34		
Land and land damages	57,869 82		
		$24,504,161 75	
Commissioners of Appraisal—			
Awards	$1,740,229 05		
Fees of Counsels, Commissioners, etc	535,348 34		
		2,275,577 39	
Total expenditures			$26,779,739 14
Balance, Comptroller's account vs. Aqueduct Commissioners			$19,357 98

On motion of Commissioner Scott, the recommendation was approved.

The Secretary presented a lien, filed by Osborne Brothers, against David R. Paige & Co., amounting to $88.16.

Which was ordered filed.

The Commissioners then adjourned.

J. C. LULLEY, Secretary.

AQUEDUCT COMMISSION.

NOTE—On Wednesday, January 18, 1893, no quorum being present, the meeting stood adjourned.

J. C. LULLEY, Secretary.

NOTE—On Wednesday, January 25, 1893, no quorum being present, the meeting stood adjourned.

J. C. LULLEY, Secretary.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, February 1, 1893, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Scott and Cannon.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 8484 to 8494, inclusive, and 8501 to 8518, inclusive, amounting to $1,282.70; also of Vouchers Nos. 8519 and 8520, being judgments, amounting to $4,402.17.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Construction or Executive Committee recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, the services of Axemen John Kinney and Theodore Kelly, now employed under Division Engineer McCulloh, at Brewster, N. Y., be dispensed with on and after February 1, 1893; and they are hereby discharged from the service of the Aqueduct Commissioners.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in granting to Arthur L. Beatty, Axeman, a leave of absence, without pay, from January 27 to February 15, 1893, and until assigned to duty by the Chief Engineer, be and hereby is approved.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the accompanying bill for taxes due the Town of North Salem, N. Y., School District No. 6, amounting to sixty-six dollars and sixty-three cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of John Lounsberry for use of wagon for engineering party at Sing Sing, N. Y., amounting to six dollars, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of J. E. Anderson, for two yellow pine pump guides for Shaft No. 25 of the New Aqueduct, amounting to twenty-five dollars, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of James Persise, for inspection of boiler of portable hoisting plant, at Dunwoodie, N. Y., amounting to five dollars, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of H. W. Dale for repairs to stable at Sodom Dam, and for making templet for gate at Bog Brook tunnel, amounting to eighteen dollars, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of George P. Hall & Son, for photographs of the work at the New Croton Dam, amounting to twenty-eight dollars, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Secretary, an appropriation of forty dollars is hereby made to cover the cost of exchanging a Remington typewriting machine in use in his office.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following preamble and resolution :

Whereas, An application has been made by Levy & Quinn, contractors, for an extension of time for the completion of their contract for grading, improving and fencing the grounds at several of the shafts of the New Croton Aqueduct, and the Chief Engineer having recommended that an extension of time to May 1, 1893, be granted ; therefore,

Resolved, That the Aqueduct Commissioners hereby grant to Levy & Quinn, contractors, an extension of time to May 1, 1893, in which to complete the contract above referred to, providing their bondsmen shall, within ten days from the date hereof, enter into stipulations continuing their obligations for and during the completion of said contract, under said extension of time, which is hereby allowed to them as further time for the performance of said contract.

The same was adopted by the following vote :

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also recommended the adoption of the following resolution :

Resolved, That the Chief Engineer is hereby directed to instruct the engineers in making surveys for the land which will be required to be taken for the new Croton Dam to include a sufficient zone outside and beyond the flow-line to insure the protection of the waters hereafter to be collected there from pollution and contamination, and further that such zone be decided upon after consultation with the Chief Engineer of the Department of Public Works.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended that the following preamble and resolutions, adopted on January 13, 1893, be reconsidered :

"Whereas, The Chief Engineer has verbally reported to the Committee on Construction that since the last approximate estimate for work done on the gate-house superstructure at Croton Dam the contractors have done work amounting, in contract prices, to the sum of seven thousand two hundred and eighty-six dollars and one cent, none of which has been paid to them ; and has further reported that there still remains a slight amount of work to be done under said contract before the same can be finally accepted, the amount of which will not e d percentage now in the hands of the City ; therefore

"Resolved, That the time for the completion of sa ided to May 1, 1893, upon the contractors entering into nto by them when the last extension of time for the co 27, 1892 ; and further

"Resolved, That the Chief Engineer be requested to furnish the Commissioners with an approximate estimate for the amounts due the contractors for work done since their last approximate estimate."

And, in lieu thereof, recommended the adoption of the following preamble and resolutions:

Whereas, The Chief Engineer has verbally reported to the Committee on Construction that since the last approximate estimate for work done on the gate-house superstructure at Croton Dam, the contractors have done work amounting, in contract prices, to the sum of seven thousand two hundred and eighty-six dollars and one cent, none of which has been paid to them; and has further reported that there still remains a slight amount of work to be done under said contract before the same can be finally accepted, the amount of which will not exceed the retained percentage now in the hands of the City; therefore

Resolved, That the time for the completion of said contract be and hereby is extended to May 1, 1893, upon the contractors entering into a stipulation binding themselves to pay the cost of inspection and superintendence of said work from November 1, 1891, to the date of final completion of said work; and further

Resolved, That the Chief Engineer be requested to furnish the Commissioners with an approximate estimate for the amounts due the contractors for work done since their last approximate estimate.

The recommendation was approved and the preamble and resolutions adopted by the following vote:

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also presented the following communication, received from the Chief Engineer:

NEW YORK, January 10, 1893.

To the Honorable the Committee on Construction:

GENTLEMEN—I have ascertained from Mr. Dykman that the land at Ardsley, bought at Shaft Site No. 14, cost the City $2,699.37 for 10.9 acres, averaging $247.64 per acre. This cost included the damage done to the adjoining land.

Mr. Robert Somerville (as I told you verbally at one of your last meetings) offers to buy from the City that part of the said land which is not now necessary, since construction was finished, and on which a large amount of tunnel refuse is now deposited.

I caused surveys to be made of such land as could now be spared, and the result is as shown on the accompanying map, that 5.617 acres could be properly sold unless the Aqueduct Commissioners should prefer to keep it for other reasons.

Mr. Somerville offers $200 per acre for the said 5.617 acres. If this transaction is consummated, it should not be forgotten that the parcels marked "X" and "Y" should be retained to maintain the continuity of the City's right over the Aqueduct.

The above is respectfully submitted for your instructions.

I am, respectfully,

A. FTELEY, Chief Engineer.

And recommended the adoption of the following resolution :

Resolved, That the Secretary be and hereby is directed to transmit to the Sinking Fund Commissioners of the City of New York a copy of the above communication, together with the accompanying map, and advise said Commissioners that the Aqueduct Commissioners see no objection to the sale of the portion of the property therein referred to as being no longer needed by the City, and that they recommend that the same be sold for the benefit of the City of New York.

On motion of Commissioner Scott, the same was adopted.

The Committee also presented the following communications, received from the Chief Engineer :

NEW YORK, January 17, 1893.

To the Honorable the Committee on Construction :

GENTLEMEN—The town authorities at Purdy's Station have ordered the contractors for Titicus Dam to remove certain steam shovels and other steam apparatus now maintained by them for the construction of the enbankment of the dam. They allege that the maintenance of those devices is dangerous for the traveling public on the adjacent road. That alleged nuisance could only be abated without detriment to the work, by the prompt construction of the western end of the proposed new highway.

You know that the plans and specifications for the said new highway are now ready, and the Aqueduct Commissioners are waiting to be put in possession of the land necessary for the work.

New complications recently arose in regard to certain connections to be made between the new highways and the adjacent owners over the margin of land which remains between the proposed road location and the extreme boundary of the line of land taken for flowage, and Mr. Dykman reports that he is not ready to now procure the necessary rights.

Under the circumstances, Contractors Washburn, Shaler & Washburn ask me to be authorized to now build that portion of the new highway which would remedy the difficulty, under the terms of their present contract, on the strength of Clause 7 of their agreement.

The roads must be built before the valley can be flooded, and I do not see any reason why the present contractors for the dam could not do it under the present agreement, in which the price bid for "Earth Excavation" is favorable (being twenty-five cents), while the lowest price for the new roads around Brewster Reservoirs, after a public competition, was thirty cents.

The total amount of excavation involved in the proposed work is, approximately, 20,000 yards, and inasmuch as a portion of that excavation, viz.: 9,000 yards, may be used afterwards for forming the embankment of the dam, if it is found of proper quality, thus giving the contractors some advantage, they offer that, when the measurement of such proposed excavation for the new highway which is afterwards used in the dam embankment is returned by the Engineer, he shall measure four (4) cubic yards for every five that will thus be used in the embankment of the dam.

Such an arrangement, while it enables the contractors to keep their forces together and expedite the work, and is of advantage to them, the City can only be the gainer by it. I consequently recommend that the Engineer be authorized to accept the proposition of Messrs. Washburn, Shaler & Washburn, and direct them to proceed with the work on the new road above described, under the terms of their present agreement for the construction of Titicus Dam, and under the conditions herein set forth.

I am, respectfully,

A. FTELEY, Chief Engineer.

NEW YORK, January 25, 1893.

To the Honorable the Committee on Construction:

GENTLEMEN—On the 18th instant, I submitted to you a request of Contractors Washburn, Shaler & Washburn, that they be authorized to build (under their present contract for the construction of the Titicus Dam), a portion of the proposed new highways, and I reported that it would be of advantage to the City to direct them to do the work in the manner indicated.

You expressed your concurrence with my views, and instructed me to direct them to do the work under the conditions expressed in my report. I have since directed the contractors to proceed with the work, and this is to request your approval of my action.

I am, respectfully,

A. FTELEY, Chief Engineer.

And recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in accepting the proposition of Washburn, Shaler & Washburn, contractors for the construction of the Titicus Dam, and directing them to proceed with the work of construction of the proposed new highways, as set forth in the above communications of the Chief Engineer, under the terms of their present contract for the construction of said dam, and under the conditions hereinabove set forth, be and hereby is approved.

The same was adopted by the following vote :

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also recommended the adoption of the following preamble and resolution :

Whereas, The Counsel to the Corporation has transmitted to the Aqueduct Commissioners, with his approval, a transcript of judgment in an action entitled "William W. Wheeler vs. The Mayor, Aldermen and Commonalty of the City of New York," for the sum of two thousand three hundred and seventy dollars and three cents ; therefore

Resolved, That a voucher be and hereby is ordered drawn in favor of William W. Wheeler for the sum of two thousand three hundred and seventy dollars and three cents, being amount of judgment rendered in favor of said William W. Wheeler for salary due him while employed as a Tunnel Inspector on the New Aqueduct, and certified to the Comptroller for payment.

The same was adopted by the following vote :

Affirmative—Commissioners Duane, Tucker, Scott, and Cannon—4.

The Committee also recommended the adoption of the following preamble and resolution :

Whereas, The Counsel to the Corporation has transmitted to the Aqueduct Commissioners, with his approval, a transcript of judgment in an action entitled "George Diffin, Jr., vs. The Mayor, Aldermen and Commonalty of the City of New York" for the sum of two thousand and thirty-two dollars and fourteen cents ; therefore

Resolved, That a voucher be and hereby is ordered drawn in favor of George Diffin, Jr., for the sum of two thousand and thirty-two dollars and fourteen cents, being amount of judgment

rendered in favor of said George Diffin, Jr., for salary due him while employed as an Inspector of Masonry on the New Aqueduct, and certified to the Comptroller for payment.

The same was adopted by the following vote :

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

On motion of Commissioner Tucker, the minutes of stated meeting of December 28, 1892, were ordered approved.

Commissioner Scott then moved that the Commissioners proceed to the election of a President and Vice-President for the ensuing year.

Which motion was carried.

Commissioner Scott then moved that Secretary J. C. Lulley be elected Teller.

Which motion was carried.

A ballot was then taken, which showed that four votes had been cast for James C. Duane for President and John J. Tucker for Vice-President.

James C. Duane was then declared President, and John J. Tucker Vice-President, of the Aqueduct Commissioners for the ensuing year.

Commissioner Scott then moved that the present Committees of the Commission be continued as now constituted.

Which was adopted by the following vote :

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Commissioners then adjourned.

J. C. LULLEY, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, February 8, 1893, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Scott and Cannon.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 8522 to 8540, inclusive, amounting to $3,051.09; also of judgment contained in Voucher No. 8541, amounting to $787.50, and of Vouchers Nos. 8542 to 8544, inclusive, being estimates for work done by contractors, amounting to $18,717.09.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Construction or Executive Committee recommended the adoption of the following resolution:

Resolved, That the action of the Chief Engineer in dispensing with the services of the following-named persons on the 6th instant, for lack of work, be and hereby is approved, and they are discharged from the service of the Aqueduct Commissioners as of said date:

William James, Machinist. Daniel Reardon, Laborer.
Patrick Brady, Laborer.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That the action of the Chief Engineer in deducting thirteen days' pay from the salary of Chainman Ira Ganong for the month of January, 1893, during which time he was absent without leave, is hereby approved.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following preamble and resolution:

Whereas, In the opinion of the Aqueduct Commissioners, the further sum of five hundred thousand dollars will be required to defray the necessary and lawful current expenditures of said Commissioners; now, therefore, be it

Resolved, That the Comptroller of the City of New York be and he is hereby requested to raise the sum of five hundred thousand dollars upon bonds of the City of New York, in conformity with the requirements of section 32, chapter 490, Laws of 1893, of the State of New York, for the uses and purposes of the Aqueduct Commissioners, as set forth in said chapter and section of said law.

The same was adopted by the following vote :

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also recommended the adoption of the following resolution :

Resolved, That during the temporary absence of the Chief Engineer, the President of the Aqueduct Commissioners be and hereby is authorized to act as Chief Engineer.

The same was adopted by the following vote :

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also presented the following, received from the Board of Estimate and Apportionment :

BOARD OF ESTIMATE AND APPORTIONMENT, CITY OF NEW YORK.

AQUEDUCT COMMISSIONERS' OFFICE,
STEWART BUILDING, No. 280 BROADWAY,
NEW YORK, January 17, 1893.

To the Board of Estimate and Apportionment, New York City :

GENTLEMEN—At a special meeting of the Aqueduct Commissioners held on January 13, 1893, the following preambles and resolutions were adopted :

" Whereas, The City of New York, through the Aqueduct Commission, has used and occupied since September 1, 1888, the lot or parcel of land at Brewster, Putnam County, N. Y., shown on the accompanying map and thereon marked '15 B' ; which lot contains one and six hundred and ninety-two one thousandths acres, and belongs to Lydia M. Yale ; and

" Whereas, It is necessary that the City shall acquire title to said land in fee simple ; and

" Whereas, The said Lydia M. Yale has offered, in writing, to sell said lot of land to the City of New York for the sum of four hundred and twenty dollars, which sum is to include not only the price of said land, but also all claim or claims she may have against the City of New York for the use and occupation of said land, and for interest upon the value thereof from the date said occupation commenced, and for damages of every kind and nature arising out of said occupation ; and

" Whereas, The Chief Engineer of the Aqueduct Commission and Henry T. Dykman, Esq., Special Counsel for the City of New York in the matter of the acquisition of land in Putnam County, have both reported, in writing, to said Commission that said offer is reasonable, and that it would be to the best interests of the City of New York that the same should be accepted;

" Resolved, That the Aqueduct Commission (subject to the approval of the Board of Estimate and Apportionment) hereby approves and accepts the aforesaid offer and proposition of said Lydia M. Yale, and agrees to pay her the said sum of four hundred and twenty dollars for said land, and for a full release of all of her said claims, provided that she makes and executes a deed and release satisfactory in form to the Counsel to the Corporation ; and, provided, further, that said Counsel to the Corporation, upon examination, shall be satisfied and shall certify in writing that said Lydia M. Yale is seized of said land in fee simple, has good right to convey the same, and that the same is free from incumbrance.

"Resolved, That this resolution be referred to the Board of Estimate and Apportionment for approval, and that there be transmitted to said Board therewith the accompanying map or survey and the letters of the Chief Engineer and of Henry T. Dykman, Esq., approving said settlement and purchase."

Map or survey and copies of communications above referred to are herewith transmitted.

Very respectfully,

J. C. LULLEY, Secretary.

CITY OF NEW YORK—FINANCE DEPARTMENT,
COMPTROLLER'S OFFICE,
January 30, 1893.

Hon. THEODORE W. MYERS, *Comptroller:*

SIR—The Aqueduct Commissioners, at a special meeting held January 13, 1893, adopted resolutions to purchase a lot or parcel of land at Brewsters, Putnam County, N. Y., shown on the map accompanying the resolutions, and thereon marked "15 B," containing 1.692 acres, belonging to Lydia M. Yale, for the sum of $420, including all claims for interest or damage, and referring said purchase to the Board of Estimate and Apportionment for approval.

This plot has been in the actual possession of the City since September 1, 1888, having been taken at that time for the tunnel connecting the Sodom and Bog Brook Reservoirs, without legal authority.

I think there can be no doubt of the propriety of the City adjusting this claim, at the price agreed upon, which is reasonable.

I see no reason why the purchase should not be approved.

Respectfully,

EUG. E. McLEAN, Engineer.

AQUEDUCT COMMISSIONER'S OFFICE,
STEWART BUILDING, No. 280 BROADWAY,
NEW YORK, January 17, 1893.

To the Board of Estimate and Apportionment, New York City:

GENTLEMEN—At a special meeting of the Aqueduct Commissioners held on January 13, 1893, the following preambles and resolutions were adopted:

"Whereas, The City of New York, through the Aqueduct Commission, has used and occupied since September 1, 1888, three lots or parcels of land at Brewster, Putnam County, N. Y., shown on the accompanying map and thereon marked '4¼,' '4½' and '4¾,' which lots contain 2.272 acres and belong to William A. Storm; and

"Whereas, It is necessary that the City shall acquire title to said land in fee simple; and

"Whereas, The said William A. Storm has offered in writing to sell said lots of land to the City of New York for the sum of six hundred dollars, which sum is to include not only the price of said land, but also all claim or claims he may have against the City of New York for the use and occupation of said land, and for interest upon the value thereof from the date said occupation commenced, and for damages of every kind and nature arising out of said occupation; and

"Whereas, The Chief Engineer of the Aqueduct Commission and Henry T. Dykman, Esq., Special Counsel for the City of New York in the matter of the acquisition of land in Putnam County, have both reported, in writing, to said Commission that said offer is reasonable, and that it would be to the best interests of the City of New York that the same should be accepted;

"Resolved, That the Aqueduct Commission (subject to the approval of the Board of Estimate and Apportionment), hereby approves and accepts the aforesaid offer and proposition of said William A. Storm, and agrees to pay him the said sum of six hundred dollars for said land, and for a full release of all of his said claims, provided that he makes and executes a deed and release satisfactory in form to the Counsel to the Corporation; and, provided further, that said Counsel to the Corporation, upon examination, shall be satisfied and shall certify in writing that said William A. Storm is seized of said land in fee simple, has good right to convey the same, and that the same is free from incumbrance;

"Resolved, That this resolution be referred to the Board of Estimate and Apportionment for approval, and that there be transmitted to said Board therewith the accompanying map or survey and the letters of the Chief Engineer, and of Henry T. Dykman, Esq., approving said settlement and purchase."

Map or survey and copies of communications above referred to are herewith transmitted.

Very respectfully,

J. C. LULLEY, Secretary.

CITY OF NEW YORK—FINANCE DEPARTMENT,
COMPTROLLER'S OFFICE,
January 30, 1893.

Hon. THEO. W. MYERS, *Comptroller:*

SIR—The Aqueduct Commissioners, at a special meeting held January 13, 1893, adopted resolutions to purchase three lots of land at Brewster, Putnam County, N. Y., shown on the map accompanying the resolutions, and thereon marked "4¼," "4½" and "4¾," containing together 2.272 acres, and belonging to William A. Storm, for the sum of $600, said sum to include all claims against the City for use and occupation of said land, all interest, and all claims for damages, and referring said purchase to the Board of Estimate and Apportionment for approval.

These parcels of land are all necessary for the purposes of the dam, partly for roadways and partly for general uses. That marked "4¼" has been in use for construction purposes from the beginning of the work.

I think the price agreed upon reasonable, being at the rate of $200 per acre, with an allowance of $146 for interest and damages.

I see no reason why the purchase should not be approved.

Respectfully,

EUG. E. McLEAN, Engineer.

And offered the following:

Whereas, The Aqueduct Commissioners, on January 13, 1893, adopted resolutions to purchase, subject to the approval of the Board of Estimate and Apportionment, certain lots or parcels of land at Brewsters, Putnam County, N. Y., belonging to Lydia M. Yale and William A. Storm, which have been used and occupied since September 1, 1888; and

Whereas, It is necessary that the City shall acquire title to said land in fee simple; and

Whereas, The prices stated for such property are deemed fair and reasonable; therefore

Resolved, That the action of the Aqueduct Commission be and is hereby approved in the matter of taking a certain one and six hundred and ninety-two one-thousandths acres of land in the Town of South East, County of Putnam, belonging to Lydia M. Yale, for the sum of four hundred and twenty dollars ($420); also a certain two and two hundred and seventy-two one-thousandths acres in the said town, belonging to William A. Storm, for the sum of six hundred dollars ($600), to be used for the purposes of the Commission at the Sodom and Bog Brook Reservoirs; and

Resolved, That the Comptroller be and is hereby authorized to pay the said amounts to the said Lydia M. Yale and William A. Storm upon the proper vouchers of the Aqueduct Commissioners.

Which were adopted by the following vote :

Affirmative—The Mayor, Comptroller, President of the Board of Aldermen and President of the Department of Taxes and Assessments—4.

A true copy of preamble and resolutions adopted by the Board of Estimate and Apportionment January 31, 1893.

CHAS. V. ADEE, Clerk.

—and recommended the adoption of the following resolution :

Resolved, That the above action be spread in full on the minutes, and that a copy of the same, together with copies of all papers relating thereto, be transmitted to the Counsel to the Corporation, with request that he take the proper steps to purchase the parcels of land above set forth.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following preamble and resolution :

Whereas, The Counsel to the Corporation has transmitted to the Aqueduct Commissioners, with his approval, a transcript of judgment in an action entitled Theodore Morrison vs. The Mayor, Aldermen and Commonalty of the City of New York, for the sum of seven hundred and eighty-seven dollars and fifty cents ; therefore

Resolved, That a voucher be and hereby is ordered drawn in favor of Theodore Morrison for the sum of seven hundred and eighty-seven dollars and fifty cents, being amount of judgment rendered in favor of said Theodore Morrison for salary due him while employed as an Inspector of Masonry on the New Aqueduct, and certified to the Comptroller for payment.

The same was adopted by the following vote :

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also recommended the adoption of the following preamble and resolutions :

Whereas, The Chief Engineer of this Commission has certified in writing, under date of January 31, 1893, that John F. Gaynor, assignee of John M. Waddle, contractor, has completely performed and carried out the provisions of the contract made by said Waddle with this Commission on the 25th day of April, 1891, for building the blow-off at Shaft No. 24, on Section A of the New Croton Aqueduct, and has stated, from actual measurements, the whole amount of work done and materials furnished under and according to the terms of said contract and of the true value thereof ; now, therefore, be it

Resolved, That the Aqueduct Commissioners do accept the work done and materials furnished by John F. Gaynor, assignee of John M. Waddle, contractor, under the contract above referred t and direct that proper vouchers for the final payment for work done and materials furnished approved by the Aqueduct Commissioners and certified to the Comptroller for payment, as foll

To John F. Gaynor, assignee	$2,981 58
To New York Central and Hudson River Railroad Company, for work done for the contractor in the construction of said blow-off, as per agreement dated January 7, 1892	491 84

And further,

Resolved, That the following claims, which have been presented to the Aqueduct Commissioners, namely:

1st. Of the New York and Northern Railway Company, for work performed in supporting its tracks over the excavation made by the contractor	$268 40
2d. Of Mr. McArdle, for amount of board bill retained from wages of Michael Rogers, for month of September, 1892	20 00
3d. Of John Conroy, for hire of horse and cart	6 00
4th. Of Michael King, for hire of team of horses	2 50
5th. Of Mr. Kesemyer, for hire of team of horses	3 50

—be transmitted to the Comptroller with said final estimate, and, in connection therewith, the attention of the Comptroller be called to Clause "S" of the contract for the doing of said work.

The same were adopted by the following vote:

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Comptroller, under date of January 31, 1893, gave notice of the issue of warrants for the payment of vouchers not certified to by the Aqueduct Commissioners, for—

Cornell Dam	$150 00
Reservoir "M"	8,750 00
Sodom Dam and Reservoir	1,314 47

—leaving a balance to the credit of "Additional Water Fund" of $73.799.17.

Which was ordered entered upon the books of the Commission and filed.

On motion of Commissioner Tucker, the minutes of special meeting of January 13, 1893, were ordered approved.

The Commissioners then adjourned.

J. C. LULLEY, Secretary.

NOTE—On Wednesday, February 15, 1893, no quorum being present, the meeting stood adjourned.

J. C. LULLEY, Secretary

AQUEDUCT COMMISSION.

Minutes of Special Meeting of the Aqueduct Commissioners, held at the office of the Comptroller of the City of New York, No. 280 Broadway, on Thursday, February 23, 1893, at 3 o'clock P. M.

Present—The Comptroller, and Commissioners Duane, Scott and Cannon.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 8546 to 8560, inclusive, and 8565 to 8578, inclusive, amounting to $3,552.31; also of judgments contained in Vouchers Nos. 8563 and 8564, amounting to $753.21; and of Vouchers Nos. 8561 and 8562, being final estimate for work done on Blow-off at Shaft No. 24 of the New Aqueduct, and bill of New York Central and Hudson River Railroad Company for work done in connection therewith, amounting to $3,473.42.

On motion of Commissioner Scott, the same were approved and ordered certified to the Comptroller for payment.

The Construction or Executive Committee presented the following communication received from the Chief Engineer:

NEW YORK, February 15, 1893.

To the Honorable the Committee on Construction:

GENTLEMEN—For furnishing the lifting device for the relief-valve at the Pump Shaft 25 of the New Aqueduct I have asked for and received the bids herewith submitted.

The names of the bidders and the amounts bid are as follows:

1. John Fox	$115 00
2. Coldwell-Wilcox Company	130 00

The engineer's estimate for this work is $125.

As the bid of John Fox is the lowest and a reasonable one, I recommend that the work in question be awarded to him. I am respectfully,

J. C. DUANE, Acting Chief Engineer.

And recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, the work of furnishing the lifting device for the relief-valve at the Pump Shaft 25 of the New Aqueduct is hereby awar to John Fox, the lowest bidder, at his bid of one hundred and fifteen dollars.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended that the following resolution, adopted on November 30, 1892, be amended so as to read "E. N. Reed" instead of "E. W. Reed."

"Resolved, That, upon the recommendation of the Chief Engineer, the work of furnishing stop-planks to be placed at the outlet of the fountain at Sodom Dam is hereby awarded to E. W. Reed at his bid of one hundred and eighteen dollars and fifty cents, it being the lowest received and less than the estimate of the Chief Engineer."

On motion of Commissioner Scott, the recommendation was adopted.

The Committee also recommended the adoption of the following preamble and resolution:

Whereas, The Counsel to the Corporation has transmitted to the Aqueduct Commissioners, with his approval, a transcript of judgment in an action entitled James L. Lyons vs. The Mayor, Aldermen and Commonalty of the City of New York, for the sum of six hundred and fifty dollars and sixty-five cents; therefore

Resolved, That a voucher be and hereby is ordered drawn in favor of James L. Lyons for the sum of six hundred and fifty dollars and sixty-five cents, being amount of judgment rendered in favor of said James L. Lyons for salary due him while employed as an Inspector of Masonry on the New Aqueduct, and certified to the Comptroller for payment.

The same was adopted by the following vote:

Affirmative—The Comptroller, and Commissioners Duane, Scott and Cannon—4.

The Committee also recommended the adoption of the following preamble and resolution:

Whereas, The Counsel to the Corporation has transmitted to the Aqueduct Commissioners, with his approval, a transcript of judgment in an action entitled James H. Robinson vs. The Mayor, Aldermen and Commonalty of the City of New York, for the sum of one hundred and two dollars and fifty-six cents; therefore

Resolved, That a voucher be and hereby is ordered drawn in favor of James H. Robinson for the sum of one hundred and two dollars and fifty-six cents, being amount of judgment rendered in favor of said James H. Robinson for salary due him while employed as an Inspector of Masonry on the New Aqueduct, and certified to the Comptroller for payment.

The same was adopted by the following vote:

Affirmative—The Comptroller, and Commissioners Duane, Scott and Cannon—4.

The Commissioners then adjourned.

J. C. LULLEY, Secretary.

AQUEDUCT COMMISSION.

NOTE—On Wednesday, March 1, 1893, no quorum being present, the meeting stood adjourned.

J. C. LULLEY, Secretary.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, March 8, 1893, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Scott and Cannon.

The Committee of Finance and Audit reported their examination and audit of bills contained in vouchers Nos. 8585 to 8602, inclusive, amounting to $2,726.21; also of vouchers Nos. 8603 and 8604, being for lands purchased from Lydia M. Yale, et al., and William A. Storm, amounting to $1,020; and of vouchers Nos. 8605 to 8607, inclusive, being estimates for work done by contractors, amounting to $15,440.07.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Construction or Executive Committee recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, a leave of absence, from February 17 to May 17, 1893, without pay, is hereby granted to Richard Baldwin, Jr., Transitman, and until he shall be assigned to duty by the Chief Engineer.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That the accompanying bill for taxes due the town of South East, Putnam County, New York, for the year 1892, amounting to $1,299.30, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the accompanying bill for taxes due the town of South East, Putnam County, New York, School District No. 2, amounting to $96.08, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the accompanying bill for taxes due the town of South East, Putnam County, New York, School District No. 11, amounting to $18.88, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the accompanying bill for taxes due the town of Ossining, Westchester County, New York, for the year 1891, amounting to thirty-nine dollars and seventy-six cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution ;

Resolved, That the accompanying bill of H. T. Dykman, for services rendered from April 20, 1891, to March 1, 1893, in examining assessed values of lands at Reservoirs "I," "D," "M," and Cornell Dam, New Aqueduct, from Croton Dam to City line, appearing for City ; examining tax bills and acting as general counsel in matters relating to assessment and taxation, amounting to one thousand two hundred dollars, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also presented forms of contract, specifications and bond, received from the Commissioner of Public Works on March 7, 1893, to provide for constructing highways or roads, and their appurtenances, at Reservoir "D," in the town of Carmel, Putnam County, New York, and recommended the adoption of the following resolutions :

Resolved, That the forms of contract, specifications and bond, submitted by the Commissioner of Public Works on March 7, 1893, and approved by the Counsel to the Corporation "as to form," for constructing highways or roads, and their appurtenances, at Reservoir "D," in the town of Carmel, Putnam County, New York, be and the same are hereby approved and adopted ; and the Secretary is hereby directed to have triplicate copies thereof prepared for certification by the Aqueduct Commissioners, and filed in accordance with section 25, chapter 490, Laws of 1883.

Resolved, That the President and Secretary be and they are hereby directed to advertise in the CITY RECORD, New York "Sun" and New York "World," a notice and advertisement, inviting sealed bids or proposals for constructing highways or roads, and their appurtenances, at

Reservoir "D," in the town of Carmel, Putnam County, New York, as provided in the contract and specifications this day approved and adopted by the Aqueduct Commissioners.

The same were adopted by the following vote:

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also recommended that the resolution adopted on June 29, 1892, appropriating $650 to cover the cost of doing certain work required to be done at Shaft No. 24 of the New Aqueduct, be rescinded.

On motion of Commissioner Tucker, the recommendation was approved.

The Committee also recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bills of John F. Gaynor, for work done outside of his contract for the construction of the blow-off at Shaft No. 24 of the New Aqueduct, are hereby approved and ordered certified to the Comptroller for payment; and an appropriation of six hundred and fifteen dollars and twenty-four cents is hereby made to cover the cost thereof:

For macadamizing roadway to gate-house at Shaft 24	$238 30
For extra work at blow-off at Shaft 24	215 26
For work connected with relaying of drains at Shaft 24	161 68

The same was adopted by the following vote:

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Secretary gave notice of the filing of liens as follows:

Frank L. Froment against John F. Rourke	$539 67
New York and Northern Railway Company against Aqueduct Commissioners	268 40

Which were ordered filed.

On motion of Commissioner Tucker, the minutes of meetings of February 1, 8 and 23, 1893, were ordered approved.

The Commissioners then adjourned.

J. C. LULLEY, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their Office, No. 209 Stewart Building, on Wednesday, March 15, 1893, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Scott and Cannon.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 8610 to 8624, inclusive, amounting to $2,270.27.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Construction or Executive Committee recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, Transitman Frank N. Speyer be and he is hereby promoted to the grade of Assistant Engineer in the Engineer Corps of the Aqueduct Commissioners, at one thousand eight hundred dollars per annum, he having been certified by the Civil Service Commission as eligible for such promotion, the same to take effect from and after March 15, 1893.

On motion of Commissioner Scott, the same was adopted.

The Committee also presented the following communication received from the Chief Engineer :

NEW YORK, March 15, 1893.

To the Honorable the Committee on Construction :

GENTLEMEN—In pursuance of my letter of March 1, four parties were requested to present bids for the construction of the One Hundred and Sixty-seventh street drain, the laying of which was requested by the Commissioner of Public Works and undertaken by the Aqueduct Commissioners.

Two bids only were submitted, one by C. H. Babcock, at $6 per lineal foot, making a total amount for 148 feet of $888 ; the other by John Slattery, of an aggregate amount of $925.

As the Department of Public Works was desirous to commence the work at once, and as the lowest bid is reasonable, under the authority given me by your resolution of March 1, I requested

Mr. Babcock to proceed with the work, under the direction of Mr. Thomas L. Moore, Assistant Engineer of the Department of Public Works.

I am, respectfully,

A. FTELEY, Chief Engineer.

And recommended the adoption of the following resolution:

Resolved, That the action of the Chief Engineer in awarding the work of constructing a drain at One Hundred and Sixty-seventh street and Amsterdam avenue, New York City, to C. H. Babcock, the lowest bidder, at his price of six dollars per lineal foot, making a total for one hundred and forty-eight feet of eight hundred and eighty-eight dollars, be and the same is hereby approved.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of John F. Gaynor, contractor for the blow-off at Shaft No. 24 of the New Aqueduct, for pumping from August, 1891, to April, 1892, amounting to three hundred and sixty dollars and twenty-three cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of Buttner & Leherty, for carting cast-iron pipes from High Bridge to the pipe yard of the Department of Public Works, at East Twenty-fourth street, New York City, amounting to thirty-six dollars and two cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of James Dougherty, for material and labor required to construct a pattern for a cover at Shaft No. 25 of the New Aqueduct, amounting to twelve dollars and seventy-seven cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of Jacob E. Crow, for storage of portable hoisting plant at Sing Sing, N. Y., from July 1, 1892, to February 1, 1893, amounting to seventy dollars, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of Minott M. Baker, for moving portable hoisting plant from Sing Sing, N. Y., to Pocantico, N. Y.,

amounting to sixty-five dollars, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of N. L. Coe, for photographs of the work at the several dams of the New Aqueduct, amounting to thirty-six dollars, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Scott, the same was adopted.

The Committee also presented the following, and recommended that a copy thereof be transmitted to the Chairman of the Committee on Cities of the Senate of the State of New York:

To the Committee on Cities of the Senate of the State of New York:

The memorial of the Aqueduct Commission of the City of New York respectfully represents:

That the attention of the Commission has been called to a bill now under advisement before your Committee known as "Assembly Bill —— Int. No. 208," and which has for its purpose the taking of immediate and effective steps for the sanitary protection of the Croton watershed.

The Aqueduct Commission realizes fully the urgent necessity that exists for the prompt enactment of some measure of this kind, and, so far as we can learn, no one seriously questions the propriety of protective legislation.

The terms and provisions of the bill now before your Committee meet the approval of this Commission, except that in our opinion even greater powers could be usefully conferred upon the Department of Public Works, and the three-year limitation inserted in the bill in the Assembly should be rescinded, so as to leave the authority of the Commissioner continuous.

In the opinion of this Commission, whatever power and authority is to be conferred by the bill should be conferred upon the Commissioner of Public Works, in view of the fact that the Department of which he is the head is now, and has been for many years, charged with the duty of taking such measures as may be necessary to preserve and increase the quantity of water and keep it pure, a duty which it has not been possible to fulfill in the past, because the Legislature has omitted to invest the Commissioner with the necessary legal authority. So long as this duty is imposed upon the Department of Public Works, the legal machinery for the practical performance of that duty should be put in the hands of that Department. In our opinion the authority to be conferred by the bill should not be shared with any other body, board or person, as a divided authority will lead to a divided responsibility.

As a matter of law the property to be acquired under this bill, and the work to be done, will fall by operation of section 317 of the Consolidation Act under the charge of the "Chief Engineer of the Croton Aqueduct," and, as a matter of practice, it is well understood that the land to be acquired, and the plans to be adopted, will be acquired and adopted under his advice. The gentleman who now holds that position is well known to the members of this Commission, is thoroughly

familiar with the whole watershed, and is entirely competent to devise and carry out an efficient system of sanitation, provided the necessary power be entrusted to him.

We therefore ask that your Committee will give to the bill in question your prompt and favorable consideration.

On motion of Commissioner Scott, the recommendation was adopted.

The Commissioners then adjourned.

J. C. LULLEY, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, March 22, 1893, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Scott and Cannon.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 8626 to 8638, inclusive, amounting to $794.95.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Construction or Executive Committee presented the following communications, received from the Chief Engineer :

NEW YORK, March 22, 1893.

To the Honorable the Committee on Construction :

GENTLEMEN—One of the 36-inch gates placed by Messrs. David R. Paige & Co. at Bog Brook Dam No. 1, under the terms of their general contract, has been found unsatisfactory owing to a defect in construction.

Under the circumstances, I notified Messrs. David R. Paige & Co. to make this work good, and to attend to the matter at once.

I have not received any official communication from them in writing, but Mr. Seymour, the representative of D. R. Paige & Co., made me the statement that under their present conditions they would prefer not to attend to this matter, which they think they are not responsible for.

I stated that, owing to the importance of reconstructing that gate, I would be obliged to certify to the Commissioners that the contractors have not fulfilled their agreement as to this particular part of the work, and that I would request them to take charge of it ; the amount of work so done to be deducted from their final estimate, as provided for in the contract.

The firm's representative had no objection to this course, which he thought preferable to any other in the case.

Enclosed please find my certificate as mentioned above.

I am, respectfully,

A. FTELEY, Chief Engineer.

NEW YORK, March 22, 1893.

To the Honorable the Aqueduct Commissioners:

GENTLEMEN—I hereby certify that Messrs. David R. Paige & Co., contractors for Bog Brook Dams Nos. 1 and 2, decline to fulfill the conditions of their contract in regard to a certain 36-inch stop-cock (Item S), which has been furnished by them, and is not such as was represented in the contract and on the plans; and inasmuch as this work should be done immediately, I respectfully recommend that the Aqueduct Commissioners, under Clause P of the contract, take possession of that work and complete the same at the expense of the contractors.

I am, respectfully,

A. FTELEY, Chief Engineer.

—and recommended the adoption of the following preamble and resolutions:

Whereas, The Chief Engineer has certified that Messrs. David R. Paige & Co., contractors for Bog Brook Dams Nos. 1 and 2, decline to fulfill the conditions of their contract, in regard to a certain thirty-six-inch stop-cock (Item S of said contract), which has been furnished by them, and is not such as was represented in the contract and on the plans; and inasmuch as this work should be done immediately;

Resolved, That, under Clause P of the contract, the Aqueduct Commissioners take possession of that work and complete same at the expense of said contractors; and that said contractors be notified to that effect.

Resolved, That the Chief Engineer be and he is hereby directed to take such steps as may be necessary to have said work done immediately.

The same were adopted by the following vote:

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also recommended the adoption of the following resolution:

Resolved, That the accompanying bills for taxes due the Town of Yorktown, N. Y., for the year 1892, for the following amounts, are hereby approved and ordered certified to the Comptroller for payment, viz.:

$1.32, $1.32, $21, $18.38, $4.73, $6.30, $2.63, $5.78, $5.25 and $158.55.

On motion of Commissioner Tucker, the same was adopted.

On motion of Commissioner Tucker, the minutes of meeting of March 8, 1893, were ordered approved.

The Commissioners then adjourned.

J. C. LULLEY, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, March 29, 1893, at 3 o'clock P. M.

Present - Commissioners Duane, Tucker, Scott and Cannon.

The Construction or Executive Committee presented the following :

The Construction or Executive Committee report :

That at their meeting held on March 29, 1893, the following resolution was adopted, and they now ask your approval of their action :

Resolved, That the bid-box be closed and the keys given to the President, and that the Secretary be authorized by this Commission to receive the bids for constructing highways or roads and their appurtenances at Reservoir "D," in the Town of Carmel, Putnam County, New York, as called for in the approved forms of contract and specifications on file in the office of the Aqueduct Commissioners, and also to receive the checks of the bidders, and to make the necessary preparations for opening the bids received for doing said work under the law.

On motion of Commissioner Scott, the action of the Committee was approved.

In pursuance to the following notice, published daily for fifteen consecutive days, commencing with March 10, 1893, in the CITY RECORD, "New York Sun" and "New York World," bids were received for constructing highways or roads and their appurtenances at Reservoir "D," in the Town of Carmel, Putnam County, New York :

AQUEDUCT COMMISSIONERS' OFFICE,
ROOM 209 STEWART BUILDING, No. 280 BROADWAY,
NEW YORK, March 10, 1893.

TO CONTRACTORS.

Bids or proposals for doing the work and furnishing the materials called for in the approved form of contract now on file in the office of the Aqueduct Commissioners for Constructing Highways or Roads, and their appurtenances, at Reservoir "D," in the Town of Carmel, Putnam County, New York, will be received at this office until Wednesday, March 29, 1893, at 3 o'clock P. M., at which place and hour they will be publicly opened by the Aqueduct Commissioners, and the awa

of the contract for doing said work and furnishing said materials will be made by said Commissioners as soon thereafter as practicable.

Blank forms of said approved contract and the specifications thereof, and bids or proposals, and proper envelopes for their inclosure, and form of bonds, and also the plans for said work and all other information, can be obtained at the above office of the Aqueduct Commissioners on application to the Secretary.

By order of the Aqueduct Commissioners.

JAMES C. DUANE, President.

J. C. LULLEY, Secretary.

1. Saverio Gallo and Joab Small	$128,961 60
2. O'Connor & Overman	126,374 50
3. Washburn & Washburn	94,507 00
4. John Twiname	102,826 50
5. Peter J. Moran	88,389 00
6. Troy Public Works Co	98,706 50
7. J. C. Rodgers	110,959 25
8. Clinton Stephens	97,520 00

Whereupon, on motion of Commissioner Cannon, the following preamble and resolution was adopted:

Whereas, Bids for constructing highways or roads and their appurtenances at Reservoir "D," in the Town of Carmel, Putnam County, N. Y., having been received and publicly opened and read; therefore

Resolved, That the Chief Engineer is hereby directed to have said bids calculated and tabulated and submit the same, together with his estimate of the work, at a meeting of the Construction or Executive Committee of the Aqueduct Commissioners, for consideration and canvassing by them, at 3 o'clock P. M., on the 5th day of April, 1893, and the bids and checks of the bidders so received are hereby referred to the Committee of Finance and Audit for examination and report to the Commissioners as to their formality and the sufficiency of the sureties proposed by the bidders.

On motion of Commissioner Scott, a recess of thirty minutes was then taken.

Upon resuming the meeting there were present:

Commissioners Duane, Tucker, Scott and Cannon.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 8642 to 8656, inclusive, amounting to $648.51.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Construction or Executive Committee recommended the adoption of the following resolution:

Resolved, That the action of the Chief Engineer in reassigning Thomas Graham, Superintendent of Dam Construction, to duty on head-house and engine-room superstructure at Shaft No. 25, of the New Aqueduct, on March 28, 1893, be and hereby is approved.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That the action of the Chief Engineer in assigning William James to duty at Shaft No. 25, of the New Aqueduct, on March 21, 1893, as Journeyman Machinist, at three dollars per day, be and hereby is approved.

On motion of Commissioner Scott, the same was adopted.

The Committee also presented the following communications, received from the Chief Engineer:

NEW YORK, March 29, 1893.

To the Honorable the Committee on Construction:

GENTLEMEN—I have prepared for the Division Engineers the inclosed circular, in view of continuing the inspection of the grounds under the control of the Aqueduct Commissioners.

It is submitted for your approval.

I am, respectfully,

A. FTELEY, Chief Engineer.

(Circular letter.)

A. FTELEY, Chief Engineer. CHIEF ENGINEER'S OFFICE - AQUEDUCT COMMISSIONERS, ROOM NO. 213, STEWART BUILDING, NEW YORK, March 29, 1893.

Mr. ..... *Division Engineer:*

DEAR SIR—The ground being now entirely free from snow and ice, which, to an extent, may have prevented as close an inspection of the causes of pollution as can now be done, you are requested to give additional attention to the abatement of nuisances on the same lines as were followed last year.

A copy of the rules and regulations of the Board of Health, which are your guide in the premises, is again sent you for your further information.

The Department of Public Works is now engaged in the same task under the extended powers conferred by recent legislation, and if you should come in contact with the employees of that Department, you will please assist and co-operate with them in every way; and in case you should meet with objection or resistance in the abatement of any nuisance you will please call upon the Department of Public Works, which now has ample power in the premises, and I do not doubt will afford you every needed assistance.

Yours, truly,

Chief Engine

On motion of Commissioner Scott, the same was approved.

The Committee also presented the following communication, received from the Chief Engineer:

NEW YORK, March 29, 1893.

To the Honorable the Committee on Construction:

GENTLEMEN—On January 13, 1893, you appropriated $500 for the improvement of the tunnel gate of East Branch Reservoir, and authorized me to employ Coldwell-Wilcox Company therefor.

The work had to be done within the month of January and the beginning of February, in order to be in readiness for the filling of the reservoirs from the first spring freshets.

The very severe weather during that time rendered the work more costly than it would otherwise have been, the men being often unable to work continuously, and having frequently to wait for the cutting and removal of ice from the chamber; hence the amount of this bill, which is higher than was originally expected.

I notified you verbally at the time of the difficulties encountered, and I now respectfully ask that you would increase the original appropriation asked for, to the amount of $753.05.

I am, respectfully,

A. FTELEY, Chief Engineer.

And recommended the adoption of the following resolution:

Resolved, That the accompanying bill of Coldwell-Wilcox Co., for doing the work required for the improvement of certain working parts of the tunnel gate of the East Branch Reservoir, amounting to seven hundred and fifty-three dollars and five cents, be and hereby is approved; and an additional appropriation of two hundred and fifty-three dollars and five cents is hereby made to cover the cost thereof.

The same was adopted by the following vote:

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also presented the following communication, received from the Chief Engineer:

NEW YORK, March 29, 1893.

To the Honorable the Committee on Construction:

GENTLEMEN—I submit herewith four (4) copies of a statement showing in detail my estimate of the cost of constructing highways or roads and their appurtenances at Reservoir "D," bids for which are to be opened by the Aqueduct Commissioners this day.

The total amount of my estimate is $109,838.75.

I am, respectfully,

A. FTELEY, Chief Engineer.

On motion of Commissioner Scott, the same was ordered filed.

On motion of Commissioner Tucker, the minutes of meetings of March 15 and 22, 1893, were ordered approved.

The Commissioners then adjourned.

J. C. LULLEY, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, April 5, 1893, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Scott and Cannon.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 8660 to 8672, inclusive, amounting to $586.88.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Committee also presented the following :

The Committee of Finance and Audit report :

That they have examined the bids and checks received March 29, 1893, for constructing highways or roads and their appurtenances at Reservoir "D," in the Town of Carmel, Putnam County, New York.

The checks, amounting to sixteen thousand dollars ($16,000), were correct and transmitted to the Comptroller, and his receipt is on file.

The bids were found correct as to their formality, with the exception of the following bids :

Bid No. 1. Of Saverio Gallo & Joab Small, is not signed by the bidders.

Bid No. 8. Of Clinton Stephens, bid not sworn to or executed.

The sureties proposed by the bidders appear to be sufficient.

On motion of Commissioner Tucker, the same was approved.

The Construction or Executive Committee recommended the adoption of the following r
tion :

Resolved, That the contract for constructing highways or roads and
Reservoir "D," in the Town of Carmel, Putnam County, New York, be a

J. Moran, at his bid of eighty-eight thousand three hundred and eighty-nine dollars, it being the lowest bid received and less than the estimate of the Chief Engineer.

The same was adopted by the following vote :

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in renting the Engineer's office at Sing Sing, New York, from Mrs. C. S. Gowen, for three months from May 1, 1893, at the rate of one hundred and thirty-seven dollars and fifty cents per quarter, be and the same is hereby approved.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in renting two additional rooms from M. S. Benedict, at Katonah, New York, for the use of the Engineer's office of the Croton River Division, from April 1, 1893, at the monthly rental of ten dollars, be and the same is hereby approved.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the house and premises of M. S. Benedict, at Katonah, New York, be leased for the uses and purposes of the Croton River Division of the Engineer Corps, at an annual rental of six hundred dollars, payable quarterly, from May 1, 1893, or until such time as it will become the property of the City ; and the Secretary is directed to have a lease prepared and properly executed for the same.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, authority is hereby given to the Purveyor to purchase a team of horses and a three-seated covered wagon, and also one horse and buggy for use of Division Engineer Wegmann.

On motion of Commissioner Scott, the same was adopted.

The Committee also presented the following communication received from the Chief Engineer :

NEW YORK, April 5, 1893.

To the Honorable the Committee on Construction :

GENTLEMEN—In pursuance of your approval of my suggestion to take actual possession of all the real estate in Titicus Reservoir at Purdy's Station, and in view of securing a more perfect control of the drainage therefrom, I would recommend that all houses belonging to the City, with the exception of those which are occupied by the employees of the Aqueduct Commissioners or by the contractors, be sold at auction forthwith ; possession to be given to the purchasers on May 1, 1893,

and one of the conditions of the sale to be the immediate removal of the said buildings beyond the limits of the City's land.

I am, respectfully,

A. FTELEY, Chief Engineer.

—and recommended the adoption of the following resolution :

Resolved, That the foregoing recommendation of the Chief Engineer be approved, and that the Secretary and Chief Engineer be directed to advertise said buildings for sale in the CITY RECORD and the local newspaper or newspapers nearest to the said buildings ; and that the terms of sale and schedule of buildings be fixed by the Chief Engineer.

On motion of Commissioner Scott, the same was adopted.

The Committee also presented the following communications, received from the Chief Engineer :

NEW YORK, April 5, 1893.

To the Honorable the Committee on Construction :

GENTLEMEN—I submit herewith a communication from Division Engineer McCulloh. Whenever Mr. McCulloh is called by me he expects a compensation of $25 per day besides his traveling expenses.

I verbally made you acquainted at the last meeting of the intentions of Mr. McCulloh, and I respectfully request that the suggestion therein contained be carried out.

In handing you Mr. McCulloh's letter I desire to express my regret at his departure. Mr. McCulloh's services have been highly satisfactory during the eight years that he has been connected with the work under the Aqueduct Commissioners, and a large part of the success of the work at Brewster is due to his ability and fidelity, he having during the past year refused an advantageous offer of employment in order to carry out practically to the end the work of which he had charge.

I am, respectfully,

A. FTELEY, Chief Engineer.

BREWSTER, N. Y., April 1, 1893.

To the Honorable the Aqueduct Commissioners :

GENTLEMEN—As the work at the Brewster Dams is practically completed and important business interests claim my attention elsewhere, I hereby apply for an indefinite leave of absence without pay, from such a date as the Chief Engineer can relieve me of the charge of this Division, probably from April 6.

My resignation should have been presented at this time, but for the expressed wish of Mr. Fteley, who desired that I should not sever my connection with the work entirely, but retain my rank for a time so that he might be able to call upon me in an official capacity to pass upon final estimates and other matters now in hand.

I shall, therefore, be ready to return here at the Chief Engineer's call to render such service as he desires, and will do so at a certain rate of compensation which I have named to him and he approves of, and which I trust will be sanctioned by you.

Thanking you for the consideration and confidence received from the gentlemen of the Commission during my nine years' service in the Engineer Corps of this Department, I remain,

Very respectfully yours,

WALTER McCULLOH, Division Engineer.

—and recommended the adoption of the following resolutions :

Resolved, That, upon the recommendation of the Chief Engineer, a leave of absence, without pay, is hereby granted to Division Engineer Walter McCulloh, until he shall be assigned to duty by the Chief Engineer.

Resolved, That in granting to Division Engineer McCulloh an indefinite leave of absence, thus practically ending his official relation to this Commission, the Aqueduct Commissioners desire to place on record their appreciation of the fidelity and ability with which Mr. McCulloh has always performed his duties while in the service of this Commission.

On motion of Commissioner Scott, the same were adopted.

The Committee also presented the following communications received from the Chief Engineer:

NEW YORK, April 5, 1893.

To the Honorable the Committee on Construction:

GENTLEMEN—You already know that Chief Engineer Birdsall, of the Croton Department, has requested me to take charge of the surveys for the taking of land for the new Croton Dam to the boundary of Putnam County.

In addition to the labor entailed by such request, I have been informed by Commissioners Duane and Scott, after a conference held with Mr. Dykman, that I am expected to take charge of the abatement of nuisances within the same district on the lines verbally indicated by Mr. Dykman.

Immediately after the said conference I have given other instructions to Division Engineer Wegmann to proceed at once under my new instructions.

This work will necessarily require the employment of labor of various kinds, and in addition to the engineering force.

I consequently submit that I be authorized to make at once such appointments and transfers as, in my opinion, will be necessary between now and the next meeting, provided I report my action at the first opportunity.

I am, respectfully,

A. FTELEY, Chief Engineer.

NEW YORK, April 5, 1893.

To the Honorable the Committee on Construction:

GENTLEMEN—A further examination made yesterday of certain farms which are situated on the Sodom and Bog Brook reservoirs outside of our limits but very close to them, shows that it would be for the interests of the City to take these farms, as, on account of their close proximity to the waters of the reservoirs it would be very difficult to fully exclude the drainage therefrom from reaching the sources of supply.

I would, consequently, recommend that surveys be made at once for the taking of as much of said farms as will be found necessary, if not the whole of their area. The total of the area would probably be about fifty acres.

I am, respectfully,

A. FTELEY, Chief Engineer.

—and recommended the adoption of the following resolution:

Resolved, That the Chief Engineer be and hereby is instructed to cause to be prepared as speedily as possible a survey or surveys of those portions of the proposed New Croton reservoir as are thickly populated, or as, in his opinion, contain such structures and buildings as if permitted to continue would threaten the purity of the water; and that for this purpose, the said Chief Engineer

is hereby authorized to employ temporarily such surveyors and other persons as may be necessary, reporting the fact of such employment to this Commission for their approval.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended the adoption of the following preambles and resolution :

Whereas, The Commissioner of Public Works has requested the co-operation of the Aqueduct Commissioners in the removal and suppression of nuisances in certain portions of the Croton valley ; and

Whereas, Said Commissioner of Public Works has recently been invested by the Legislature with summary powers ;

Resolved, That the said Commissioner of Public Works be and hereby is requested to deputize and authorize the Chief Engineer of the Aqueduct Commission and his Division Engineers to exercise in the Croton valley, in the name of said Commissioner of Public Works, all of the powers and authority vested in the said Commissioner of Public Works, for the suppression and removal of nuisances.

On motion of Commissioner Cannon, the same were adopted.

The Committee also recommended the adoption of the following preamble and resolutions :

Whereas, It has been brought to the attention of the Aqueduct Commission that the Rapid Transit Commission of this city have had in contemplation and under discussion two plans for the extension of the rapid transit system, one of which contemplated the erection of an elevated railroad over Convent avenue from One Hundred and Twenty-sixth to One Hundred and Thirty-fifth streets ; the other of which contemplated the construction of a tunnel under said Convent avenue between the streets aforesaid ;

Resolved, That the Aqueduct Commission does hereby respectfully call the attention of the Rapid Transit Commission to the fact that said Convent avenue between the streets indicated is wholly taken up between the curb lines by eight forty-eight-inch pipes laid under the direction and authority of the Aqueduct Commission, and which constitute the principal means whereby water is carried from the new Aqueduct to the distributing reservoirs in Central Park, and that the nature of this work, the elevation of said pipes, and the character of the subsurface of said Convent avenue is such that it would be extremely difficult, if not wholly impracticable, to construct and maintain upon said avenue either an elevated structure or an underground structure without seriously endangering the integrity of said pipe-line and the consequent supply of water to the City of New York.

Resolved, That a copy of these resolutions, certified by the President and Secretary, be transmitted to the Rapid Transit Commissioners.

On motion of Commissioner Scott, the same were adopted.

The Comptroller, under the date of March 31, 1893, gave notice of the issue of warrants for the payment of vouchers not certified to by the Aqueduct Commissioners, as follows:

Reservoir "D"	$1,752 45
Cornell Dam	3,293 1

Westchester County Section	$412 62
Additional lands, Shafts, 8 & 15½	398 50
Reservoir "M"	5,490 27
Reservoir "M"	168,997 70
Reservoir "M"	376 68
Cornell Dam	199 25

and stating that bonds had been issued as follows :

February 13, 1893	$200,000 00
March 1, 1893	200,000 00
March 16, 1893	50,000 00

and that the following warrants had been cancelled :

1059, November 5, 1890, G. W. Foster & Co	$4,028 57
1447, December 30, 1890, G. W. Foster & Co	33 75
1408, December 27, 1890, David B. Richards	50 50

leaving a balance to the credit of Additional Water Fund of $203,671 17

Which were ordered entered upon the books of the Commission and filed.

The Commissioners then adjourned.

J. C. LULLEY, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, April 12, 1893, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Scott and Cannon.

The Committee of Finance and Audit reported their examination and audit of Vouchers Nos. 8674 to 8676, inclusive, being estimates for work done by contractors, amounting to $31,044.85 ; also of bills contained in Vouchers Nos. 8677 to 8690, inclusive, amounting to $1,263.09.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Construction or Executive Committee recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of Charles H. Babcock, for constructing a sewer in One Hundred and Sixty-seventh street and Amsterdam avenue, New York City, amounting to nine hundred and six dollars, is hereby approved and ordered certified to the Comptroller for payment ; and an appropriation of said amount is hereby made to cover the cost thereof.

The same was adopted by the following vote :

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also recommended the adoption of the following resolution :

Resolved, That the Chief Engineer be and hereby is authorized to obtain bids for the construction of a bridge over the Saw Mill river, at Section 6 of the New Aqueduct, and report the same to the Commissioners.

On motion of Commissioner Cannon, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in appointing the following-named persons, on the 10th instant, for work around the Croton Gate-house, be and hereby is approved :

Edward Burke, Foreman	$3 50	per day.
Michael Farrell, Laborer	2 00	"
E. L. Purdy, Laborer	2 00	"

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That the action of the Chief Engineer in appointing Dewitt Benedict and Frederick J. Titus, as Laborers, on the 10th instant, for work with Division Engineer Wegmann's engineering party, at two dollars per day, be and hereby is approved.

On motion of Commissioner Cannon, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, Assistant Engineer Herbert C. Alden is hereby assigned to duty at Carmel, New York, at a salary of one thousand five hundred dollars per annum, the same to take effect from and after April 15, 1893.

On motion of Commissioner Cannon, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, Benjamin F. Bruce, Jr., be and hereby is appointed an Axeman in the Engineer Corps of the Aqueduct Commissioners, at a salary of sixty dollars per month.

On motion of Commissioner Cannon, the same was adopted.

The Committee also presented the following communication, with inclosure, received from the Commissioner of Public Works, and, in connection therewith, presented the following statement of the Chief Engineer.

On motion of Commissioner Cannon, the same were ordered entered upon the minutes and filed.

DEPARTMENT OF PUBLIC WORKS,
COMMISSIONER'S OFFICE, NO. 31 CHAMBERS STREET,
NEW YORK, April 6, 1893.

J. C. LULLEY, Esq., *Secretary of the Aqueduct Commission:*

DEAR SIR—In accordance with the resolution adopted by the Aqueduct Commissioners on the 5th instant, I hereby inclose a document, drawn in accordance with legal form, deputizing the Chief Engineer of the Aqueduct Commission, and the several Division and Assistant Engineers of said Commission, to exercise and perform in the Croton water-shed all the power and authority vested in me by law to suppress and remove all sources of pollution of the City's water supply.

Yours truly,

MICHAEL T. DALY, Commissioner of Public Work.

I, Michael T. Daly, Commissioner of Public Works of the City of New York, do hereby deputize Alphonse Fteley, Chief Engineer of the Aqueduct Commission, and the several Division and Assistant Engineers of said Aqueduct Commission, to exercise and perform in the Croton water-shed all the power and authority vested in me by law to suppress and remove all sources of pollu-

tion so situated as to endanger the purity of the water supply of the City of New York; and I do hereby authorize and empower the said Alphonse Fteley, Chief Engineer as aforesaid, and said Division and Assistant Engineers, to do and perform in my name every act and thing necessary to be done for the suppression, destruction and removal of sources of pollution of said water.

MICHAEL T. DALY, Commissioner of Public Works, New York City.

STATEMENT OF CHIEF ENGINEER ALPHONSE FTELEY.

In regard to the work of abating the nuisances on the parts of the Croton water-shed which are under the control of the Aqueduct Commissioners, I have to report that having been deputized by the Commissioner of Public Works to act as his agent in the matter, I have immediately started the various engineering parties in this Department in revising and extending the work done last year.

On the Croton River Division, however, the work is very much more extensive, especially as we are to cover the main Croton river and all its tributaries between the Croton Dam and the boundary of Putnam County.

My first opportunity for receiving instructions from the Commissioner of Public Works occurred on the 10th instant, at a meeting held in the office of the Mayor, at which were present Dr. Edson, Mr. Loomis and Mr. Birdsall. I have since issued additional instructions to your employees, and we are now following the methods employed by the Department of Public Works. I expect to be ready at the next meeting to present to you a more complete report as to the details of the work performed.

The Committee also presented the following communication, received from the Chief Engineer:

NEW YORK, April 12, 1893.

To the Honorable the Committee on Construction:

GENTLEMEN—I submit herewith four (4) bids received from various parties for the construction and erection of the wrought-iron doors necessary for the two gate-houses at Bog Brook Reservoir.

The bids are as follows:

1.	New Jersey Foundry and Machine Company	$720 00
2.	John Fox	800 00
3.	Coldwell-Wilcox Company	1,059 00
4.	Riverside Bridge and Iron Works	1,092 00

The lowest bidder, the New Jersey Foundry and Machine Company, are the parties to whom a contract was awarded for similar work done at Sodom Dam. Their price is reasonable and somewhat below the Engineer's estimate, and I recommend that the contract be given to them.

I am, respectfully,

A. FTELEY, Chief Engineer.

And recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, the work of constructing and erecting wrought iron doors necessary for the two gate-houses at Bog Brook Reservoir is hereby awarded to the New Jersey Foundry and Machine Company, at their bid of seven hundred and twenty dollars, it being the lowest bid received and less than the estimate of the Chief Engineer.

The same was adopted by the following vote:

Affirmative—Commissioners Duane, Tucker, Scott, and Cannon—4.

The Committee also recommended the adoption of the following preambles and resolution :

Whereas, The Chief Engineer of this Commission has certified in writing, under date of April 5, 1893, that Smith, Brown & Coleman have completely performed and carried out the provisions of the contract made by them with this Commission on the 18th day of March, 1890, for building the gate-house superstructure, etc., for the new gate chambers at Croton Dam, Section 1 of the New Aqueduct; and has stated from actual measurements the whole amount of work done and materials furnished under and according to the terms of said contract, and of the true value thereof; and

Whereas, The time for the completion of said contract has been extended by the Aqueduct Commissioners, at the request of said Smith, Brown & Coleman, by five several and separate extensions of time, from November 15, 1890, the date fixed by said contract for the completion of said work, to the 1st day of May, 1893 ; and

Whereas, Each of said extensions of time from and after the first of said extensions, to wit, from June 1, 1891, were granted upon the express condition that said Smith, Brown & Coleman would agree to pay the cost of superintendence of said work from said 1st day of June, 1891, to the final completion of said work ; which condition was accepted and agreed to by said contractors ; and

Whereas, The Chief Engineer of this Commission has certified in writing that the cost of said superintendence from said 1st day of June, 1891, to the final completion of said work is the sum of one thousand one hundred and seventy-nine dollars and thirty-five cents ;

Resolved, That the Aqueduct Commissioners do accept the work done and materials furnished by Smith, Brown & Coleman, under the contract above referred to, and direct that a proper voucher for the final payment for work done and materials furnished under said agreement be approved by the Aqueduct Commissioners and certified to the Comptroller for payment; and said Comptroller is hereby requested to pay the amount of said final estimate, to wit, the sum of five thousand five hundred and sixteen dollars and seventy cents, after deducting therefrom the sum of one thousand one hundred and seventy-nine dollars and thirty-five cents, being the cost of superintendence of said work from said first day of June, 1891, and the amount necessary to reimburse the City for the actual loss or damage provable upon said section for superintending said work from said first day of June, 1891, to the date when said work was finally completed.

The same were adopted by the following vote :

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Secretary presented an abstract of trial balance showing the expenditures of the Commission from its inception to and including March 31, 1893.

Which was ordered filed.

On motion of Commissioner Scott, the minutes of meeting of March 29, 1893, were ordered approved.

The Commissioners then adjourned.

J. C. LULLEY, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their Office, No. 209 Stewart Building, on Wednesday, April 19, 1893, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Scott and Cannon.

The Committee of Finance and Audit reported their examination and audit of Vouchers Nos. 8693 to 8698, inclusive, being estimates for work done by contractors, amounting to $12,586.43; also of bills contained in Vouchers Nos. 8699 to 8708, inclusive, amounting to $1,259.71.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Construction or Executive Committee presented the following communication received from the Chief Engineer, and recommended that the same be spread in full on the minutes and filed:

NEW YORK, April 19, 1893.

To the Honorable the Committee on Construction:

GENTLEMEN—I had occasion at the last meeting to mention the fact that I reported to the Commissioner of Public Works on April 10, for instructions as his Deputy, for the abatement of nuisances in the Croton Water-shed.

I understand that for all the grounds within the jurisdiction of the Aqueduct Commissioners I will act for them in the same manner, and such bills as will be incurred for labor or materials will be returned to them.

Until further orders I will consider that all expenses incurred outside of such jurisdiction will be met by the Department of Public Works.

The work to be done being extensive, each Division Engineer has been asked to keep a detailed account of all the orders given for the abatement of nuisances and of all actions taken in the premises.

Without going into the details of each case I will state as follows:

At Brewster a number of manure piles and one privy, which were outside of our original boundaries, have been removed, and additional nuisances of the same order to the number of eight or ten have been found further away from our boundary, and orders have been left to abate them at once. Work is now being done in that direction.

Surveys are also being made for the taking of additional farms and buildings, as mentioned in my last communication.

At Carmel, nuisances of the same order are being abated, and additional surveys are also being made for the taking of additional grounds.

At Purdy's, little objectionable features were found on our grounds, and the proposed sale of buildings advertised for next Monday will clear the land very effectually. A number of notices, however, have been served, and our orders are being followed without friction.

The Katonah party has continued its operations from Katonah to Croton Falls, making surveys for the taking of the most objectionable buildings. The plans are substantially ready but are held back by a want of information in regard to the titles, which we have as yet been unable to procure. The maps will be submitted to you shortly to give you an exact idea of the amount and scope of the takings ordered by the Commissioner of Public Works.

In the meantime we are abating the most crying nuisances, and we have masons at work in Katonah building privy-vaults to take the place of the objectionable devices formerly used.

The New Croton Dam Division has comparatively few nuisances to attend to on the main river, especially as the Department of Public Works took charge of the Pine's Bridge settlement, but on the tributary valleys there are many cases which have been located, and notices are now being served for the removal of privies and barns.

A force of men is at work on that division, but their names are not given to you, as I have reasons to suppose that the pay-rolls will be presented to the Department of Public Works.

I am, respectfully,

A. FTELEY, Chief Engineer.

On motion of Commissioner Tucker, the recommendation was approved.

The Committee also presented the following communication received from the Chief Engineer:

NEW YORK, April 19, 1893.

To the Honorable the Committee on Construction:

GENTLEMEN—The present time is, in my opinion, opportune for the sale of the balance of the buildings on the grounds taken by the Aqueduct Commissioners at Brewster, and I would recommend that they be sold at auction.

Mr. S. P. Smith is the name of the local auctioneer, and the "Brewster Standard" is the name of the local paper in which the sale might be advertised.

The sale might take place early in May at the Division Engineer's office; the buildings to be destroyed or removed within fifteen (15) days after the sale.

List of buildings on reservoir lands to be disposed of at public auction:

Former Owner.	Description of Buildings.
L. M. Yale.....	Tenant-house, 24 by 43 feet; poor condition.
L. A. Hoyt.....	Small barn, 20 by 30 feet; good condition.
George Cole.....	Dwelling-house, good condition, 27 by 32 feet, with extension 19 by 26 feet.
M. Birch.....	Tenant-house, 27 by 29 feet; poor condition.
I. Armstrong.....	Mill, 34 by 49 feet, with extension 34 by 40 feet; good condition. (Used for office by S. R. & D.)
"	Ice-house, 24 by 60 feet; good condition. (Used for stable by S. R. & D.)
"	Millstones.
"	Ice hoisting apparatus.

I am, respectfully,

A. FTELEY, Chief Engineer.

And recommended the adoption of the following resolution :

Resolved, That the foregoing communication of the Chief Engineer be approved, and that the Secretary and Chief Engineer be directed to advertise said buildings, etc., for sale in the CITY RECORD and in the "Brewster Standard ;" and that the terms of sale and schedule of buildings be fixed by the Chief Engineer.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Enginneer in employing J. A. Rundlett as Laborer, on the 11th instant, at two dollars per day, for work with the engineering party at Katonah, New York, be and hereby is approved.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in employing the following persons, on the 11th instant, for work in connection with the abatement of nuisances at Katonah, New York, be and hereby is approved :

Charles F. Robertson, Foreman-mason	$5 00	per day.
James Clark, Bricklayer	3 50	"
Abram Merritt, Laborer	1 75	"
James Ford	1 75	"
James Green	1 75	"

On motion of Commissioner Tucker, the same was adopted.

The Committee also reccommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in employing Randolphe Lowerre as Laborer at two dollars per day, on the 11th instant, for work in connection with the fencing of the shaft sites on the lower district of the New Aqueduct, be and hereby is approved.

On motion of Commissioner Tucker, the same was adopted.

The Committee also presented the resignation of Axeman J. Arthur Valles, and recommended that the same be accepted, to take effect as of April 15, 1893.

On motion of Commissioner Tucker, the recommendation was approved.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Secretary, an appropriation of forty dollars is hereby made to cover the cost of exchanging a Remington typewriting machine in use in his office.

On motion of Commissioner Tucker, the same was adopted.

On motion of Commissioner Tucker, the minutes of stated meeting of April 5, 1893, were ordered approved.

The Commissioners then adjourned.

J. C. LULLEY, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, April 26, 1893, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Scott and Cannon.

The Committee of Finance and Audit reported their examination and audit of bills contained in vouchers Nos. 8715 to 8724, inclusive, amounting to $1,423.67.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Construction or Executive Committee presented the following communication, received from the Chief Engineer :

NEW YORK, April 25, 1893.

To the Honorable the Committee on Construction :

GENTLEMEN—Since my report of last week the work of abating nuisances in the Croton water-shed has proceeded as follows :

Several privies have been removed or discontinued, piles of manure have been removed, or in process of removal, and several barns have been emptied of their contents and cleaned, the owners having promised to discontinue the use of the same for such purposes as would renew the nuisances. Generally no resistance has been offered, but the work is not being done as expeditiously as is desired. I am taking means to expedite the work. In one case, owing to the continued dilatory motions of the owner, the work of removing a water-closet and manure-pile is being done by the City.

I have been requested by the Chief Engineer of the Department of Public Works to extend our jurisdiction over the whole of the Bog Brook water-shed.

I expect to submit to you shortly plans for the taking of the additional lands mentioned in my last communication.

At Carmel, as our jurisdiction is limited to the reservoir grounds, nothing important is to be added to my previous communication.

In the neighborhood of the Titicus Dam the work already reported on is about completed, and a survey is being made for the taking of one parcel of land (containing farm buildings) which projects inside of the general shore line in undesirable proximity to the water line, although no actual nuisance occurs there now.

A request has just been received from the Department of Public Works that we extend our jurisdiction over the whole of the water-shed of Titicus river, and I have asked Division Engineer Craven to hire the necessary force to meet the case.

In the Croton River Division (headquarters at Katonah) the plans for the taking of the now objectionable properties referred to in my report of April 19 are not as yet in my hands.

Outside of these preparations for permanent relief, the work of immediate removal of the worst nuisances is going on actively, and I have ordered Division Engineer Wegmann to lay a drain from the small lake near Katonah to the river; it is to take the place of a foul ditch which, until now, received the drainage of a number of water-closets and other nuisances, and which, owing to the saturation of the ground with noxious liquids, would most probably continue to pollute the river for a long time, although all direct connections to it have been removed. This work was spoken of when the Commissioner of Public Works visited Katonah with his advisers and recommended by him. In a subsequent conference with Mr. Daly the construction of that drain was decided upon. The cost of the work will be about $1,500.

In order to expedite the work I have instructed Division Engineer Gowen, in charge of the New Croton Dam, to extend his investigations further north into the grounds of the next division so as to divide the work more evenly between him and Division Engineer Wegmann.

In accordance with another communication to your committee of this date preparations are made, at the request of the Commissioner of Public Works, for the sale of the Palmer Hotel buildings at Pine's Bridge.

I am, respectfully,

A. FTELEY, Chief Engineer.

—and recommended the adoption of the following resolution:

Resolved, That the Chief Engineer be and hereby is directed to purchase the necessary materials and hire the necessary labor required to do the work recommended in the foregoing, and report the same to the Commissioners.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That the action of the Chief Engineer in temporarily employing W. J. Sager, on the 15th instant, for work as Foreman on the New Croton Dam Division, at $3.50 per day, be and hereby is approved.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That the action of the Chief Engineer in temporarily employing the following-named persons, on the 17th instant, for work on the New Croton Dam Division be and hereby is approved:

Henry Bailey, Laborer, $2 per day.
Bert Tompkins, Laborer, $2 per day.
Royal Tompkins, Laborer, $2 per day.
John Gallery, Jr., Laborer, $2 per day.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer, in temporarily employing the following-named persons, on the 18th instant, for work at Katonah, N. Y., be and hereby is approved :

John Walsh, Bricklayer, $3.50 per day.

Daniel Purdy, Laborer, $1.75 per day.

On motion of Commissioner Tucker, the same was adopted.

The Committee also presented the following communication, received from the Chief Engineer :

NEW YORK, April 25, 1893.

To the Honorable the Committee on Construction :

GENTLEMEN—On November 2, 1892, you made an appropriation of $1,000 for the purpose of improving the construction of the roof and the ventilation of the One Hundred and Thirty-fifth Street Gate-house.

You gave the contract to Mr. M. Halliday for the roof and ventilation work, which is now finished.

I would now recommend that the drainage be further improved by carrying copper leaders inside of the house into the chambers below.

My estimate of the cost of that work is $212.

Mr. Halliday, who has just finished the other part of the work, agrees to complete it as above mentioned for the sum of $234, and I respectfully recommend that he be directed to put in five (5) copper leaders with copper bands, and do all the cutting and roof work necessary therefor for the sum of $234, all to be of quality equal to the work already done by him, under the orders and to the satisfaction of the Engineer.

I am, respectfully,

A. FTELEY, Chief Engineer.

—and recommended the adoption of the following resolution :

Resolved, That the foregoing recommendation of the Chief Engineer be and hereby is approved, and he is hereby authorized and directed to employ Mr. M. Halliday to do the work above set forth, the same to be paid for out of the appropriation of $1,000 made November 2, 1892.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, Transitman Frank N. Speyer is hereby recommended to the Civil Service Commission for examination for promotion to the grade of Assistant Engineer.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the Secretary be and he is hereby directed to transmit to his Honor the Mayor a copy of report and resolution adopted by the Aqueduct Commissioners on October 28, 1891, in relation to the appointment of representatives of the Aqueduct Commiss e

Municipal Civil Service Examining Board, and to request that he approve of the appointment of Chief Engineer Alphonse Fteley and Assistant Engineer Frederick W. Frost as such representatives.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of the Armstrong Express Company for hauling one load of boxes from Yonkers to New York, and hauling two loads of office furniture, etc., from Yonkers to Dunwoodie, N. Y., amounting to $25, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of C. W. Palmer, for materials and labor in making boxes to be used for packing papers, etc., of Yonkers office, preparatory to removal from said office, amounting to ten dollars and twenty-two cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of Alfred Craven, for freight paid on office furniture, instruments, etc., shipped from Dunwoodie to Carmel, N. Y., amounting to nineteen dollars and twenty cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Scott, the same was adopted.

The Committee also presented the following communication received from the Chief Engineer :

NEW YORK, April 26, 1893.

To the Honorable the Committee on Construction :

GENTLEMEN—With the approval of the President of the Aqueduct Commissioners, I have ordered for further facilitating the examination of the gates at the Brewster Dams the making of four (4) manholes, for which I have received bids from :

1. John Fox	$100 00
2. Coldwell-Wilcox Company	198 00

The bid of John Fox is very reasonable, and I recommend that it be accepted.

I am, respectfully,

A. FTELEY, Chief Engineer.

—and recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the work of making four manholes for the Brewster Dams is hereby awarded to John Fox, the lowest bidder, at his bid of $100 ; and an appropriation of said amount is hereby made to cover the cost thereof.

The same was adopted by the following vote :

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also presented forms of contract, specifications and bond received from the Commissioner of Public Works on April 21, 1893, to provide for constructing highways or roads and their appurtenances, fences, etc., at Reservoir "M," in the Town of North Salem, Westchester County, New York, and recommended the adoption of the following resolution :

Resolved, That the forms of contract, specifications and bonds submitted by the Commissioner of Public Works on April 21, 1893, and approved by the Counsel to the Corporation "as to form," for constructing highways or roads and their appurtenances, fences, etc., at Reservoir "M," in the Town of North Salem, Westchester County, New York, be and the same are hereby approved and adopted ; and the Secretary is hereby directed to have triplicate copies thereof prepared for certification by the Aqueduct Commissioners, and filed in accordance with section 25, chapter 490, Laws of 1883.

Resolved, That the President and Secretary be and they are hereby directed to advertise in the CITY RECORD, "New York Times" and the "Daily News," a notice and advertisement inviting sealed bids or proposals for constructing highways or roads and their appurtenances, fences, etc., at Reservoir "M," in the Town of North Salem, Westchester County, New York, as provided in the contract and specifications this day approved and adopted by the Aqueduct Commissioners.

On motion of Commissioner Scott, the same were adopted.

The Commissioners then adjourned.

J. C. LULLEY, Secretary.

NOTE.--On Wednesday, May 3, 1893, no quorum being present, the meeting stood adjourned.

J. C. LULLEY, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, May 10, 1893, at 3 o'clock P.M.

Present—Commissioners Duane, Tucker, Scott and Cannon.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 8727 to 8744, inclusive, amounting to $2,986.77; also of Vouchers Nos. 8746 to 8748, inclusive, being estimates for work done by contractors, amounting to $29,088.67; and of judgment contained in Voucher No. 8745, amounting to $326.11.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Construction or Executive Committee recommended the adoption of the following preambles and resolutions:

Whereas, Michael S. Coleman, contractor for the construction of two certain earth and masonry dams in connection with Reservoir "D," at Carmel, Putnam County, New York, has informed the Aqueduct Commissioners that he desires to execute an assignment to the firm of Coleman & Washburn and Washburn, consisting of said Michael S. Coleman, Elmer Washburn and Frank S. Washburn, of all his, the said Coleman's, right, title and interest in and to two certain contracts executed with him, the said Coleman, by the Mayor, Aldermen and Commonalty of the City of New York, dated September 19, 1890, for building the aforesaid dams, and to all the moneys which shall become due and payable under said contracts from and after the 10th day of May, 1893, the date of said assignment, but excepting and not including such sum as may be now withheld for retained percentage upon work done and materials furnished by said Coleman under said contracts prior to said 10th day of May, 1893; and

Whereas, The Aqueduct Commissioners are content to consent to the assignment of the aforesaid contracts;

Resolved, That the Aqueduct Commissioners do hereby assent and consent to the assignment of the aforesaid contracts and of the moneys that hereafter may become lawfully due and payable under said contracts by the said Michael S. Coleman to the said firm or copartnership of Coleman

& Washburn and Washburn, provided that the bondsmen of said Michael S. Coleman shall consent, in writing, to the assignment of said contracts and moneys and shall agree that the same shall not impair or affect their liability for the faithful performance of said contract by the said Coleman or his assignee.

Resolved, That a copy of this resolution be indorsed upon the several contracts above referred to and certified by the President and Secretary of the Aqueduct Commissioners.

The same were adopted by the following vote :

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also recommended the adoption of the following resolution :

Resolved, That the Commissioner of Public Works be and hereby is requested to cause an immediate survey to be made of fifteen parcels of land, with the buildings thereon, situated in the village of Katonah, Westchester County, New York, the said parcels being a part of the New Croton Reservoir and belonging to the following persons :

2 parcels belonging to William P. Lyon.
2 parcels belonging to Ebenezer J. Purdy.
1 parcel belonging to James Carr.
1 parcel belonging to Edgar Hitt.
1 parcel belonging to William Wallace Horton.
1 parcel belonging to Harriet E. Brady.
1 parcel belonging to Frances E. Miller.
1 parcel belonging to Emily Avery.
1 parcel belonging to Estate of Alsoph Green.
1 parcel belonging to Samuel, Albert & James E. Hoyt.
1 parcel belonging to S. C. Van Rensselaer.
1 parcel belonging to Romaine Richey.
1 parcel belonging to F. R. Smith.

On motion of Commissioner Scott, the same was adopted.

The Committee also presented the following communication, received from the Chief Engineer :

NEW YORK, May 2, 1893.

To the Honorable the Committee on Construction :

GENTLEMEN—At the last meeting you authorized the appropriation of $200 to compensate Mr. W. E. Gahn for the taking of certain materials which are wanted for the auxiliary dam.

Mr. Gahn is only part owner in the property which bears his name on our map, and after consulting his co-owners, reported that they would not take less than $350, possibly $300.

Such being the case, I communicated with Mr. Dykman, asking him whether he could not secure the same consent that he obtained from the owners of the land on which the new causeway embankment is being constructed, inclosing, at the same time, plan and description of the land in question.

Mr. Dykman answered as follows :

WHITE PLAINS, N. Y., April 26, 1893.

A. FTELEY, Esq., *Chief Engineer :*

DEAR SIR—I can obtain the same consent from these people that I obtained for you from the Cornishes in the same reservoir, but in view of the fact that we may be compelled, in order to secure this consent, to agree to pay interest at six per cent. from the time we assume possession of the whole property of sixty acres, it would be cheaper for you to pay the price asked, viz., $300, than to pay interest on the whole award to be made in the future. I would, therefore, advise you that your proper course is to pay the $300. Inclosures herewith returned.

I am, sir, yours, respectfully,

(Signed) H. T. DYKMAN."

In view of the urgency of the matter and with the advice of President Duane, I communicated at once with Mr. Craven with instructions to close with Gahn for $300, or even $350, if necessary.

The above is submitted for your information and approval.

I am, respectfully,

A. FTELEY, Chief Engineer.

—and recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in instructing Division Engineer Alfred Craven to close the negotiations now pending with W. E. Gahn for the purchase of certain gravelly material to be used in the construction of the embankment of the auxiliary earth and masonry dam at Carmel, N. Y., at a cost of not exceeding three hundred dollars, be and hereby is approved, and an appropriation of that amount is hereby made for such purpose, and the President is authorized to sign the proper agreement on the part of the Commission.

The same was adopted by the following vote :

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in reassigning P. J. Moynihan, Superintendent of Dam Construction, to the work under Division Engineer Craven, at Carmel, N. Y., on April 25, 1893, be and hereby is approved.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in employing temporarily Horace Searles as Driver with team, at Katonah, N. Y., on April 25, 1893, at four dollars per day, be and hereby is approved.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in temporarily employing James Fitzgerald as Laborer at two dollars per day, on April 25, 1893, to serve as Driver for the Katonah Division, be and hereby is approved.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the accompanying bill for taxes due the Town of New Castle, N. Y., for the year 1892, amounting to fifteen dollars and seven cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the accompanying bill for taxes due the Town of North Salem, Westchester County, N. Y., for the year 1892, amounting to three hundred and eleven dollars and eighty cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following preamble and resolution :

Whereas, The Counsel to the Corporation has transmitted to the Aqueduct Commissioners, with his approval, a transcript of judgment in an action entitled George H. Nason vs. The Mayor, Aldermen and Commonalty of the City of New York, for the sum of three hundred and twenty-six dollars and eleven cents ; therefore

Resolved, That a voucher be and hereby is ordered drawn in favor of George H. Nason for the sum of three hundred and twenty-six dollars and eleven cents, being amount of judgment rendered in favor of said George H. Nason for salary due him while employed as an Inspector of Masonry on the New Aqueduct, and certified to the Comptroller for payment.

The same was adopted by the following vote :

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also presented the resignation of Benjamin F. Bruce, Jr., Axeman in the Engineer Corps, and recommended that the same be accepted, to take effect from and after May 10, 1893.

On motion of Commissioner Scott, the recommendation was approved.

The Committee also presented the following communication received from the Chief Engineer :

NEW YORK, April 26, 1893.

To the Honorable the Committee on Construction :

GENTLEMEN—I submitted to you last fall a recommendation for promotions in the Engineer Corps, and you requested me to postpone any formal request to that effect until the following spring at the time that the work is resumed again for the season.

For that reason, and in view of the increased labor in connection with the abatement of nuisances in the Croton water-shed, you may find the present time opportune for the consideration of the subject.

In order to aid you in your investigation of the matter I submit below two tables showing the status of the Engineer Corps in August, 1888, when the present Commissioners took office, and the same in April, 1893, together with the promotions made by this Commission, also a comparative status of the Chief Engineer's Office at the same time.

ENGINEER CORPS (PROPER).

GRADE.	NUMBER ON DUTY AUGUST, 1888.	NUMBER ON DUTY APRIL, 1893.	NUMBER PROMOTED WITH PAY.	PROMOTION WITHOUT INCREASED PAY.
Consulting Engineer	1	..	1	..
Deputy Chief Engineer	1	..	..	..
Principal Assistant Engineer	1	..	..	..
Special Assistant to Chief Engineer	1	..	..	..
Division Engineers	6	3	3	..
Special Assistant Engineers	2	2	..	..
Assistant Engineers	29	*12	2	..
Transitmen	14	3	1	6
Levelers	9	3	2	..
Draughtsmen	10	4	..	..
Rodmen	15	4	..	..
Computers	..	1	1	1
Chainmen	5	2	..	..
Axemen	50	12	4	..
† Laborers on engineering work	8	8	2	..
Inspectors and Superintendents, Dam Construction	217	10	1	..
Office Boy (Engineering)	1	1	1	..
Totals	..	..	18	7

* 5 Assistant Engineers, at $1,800 per annum ; 7 Assistant Engineers, at $1,500 per annum.

† This does not include the Laborers employed for the inspection of cement and mortar and for mechanical work.

OFFICE OF CHIEF ENGINEER.

Statement showing the Rank and Number of Employees in August, 1888, and April, 1893.

RANK.	AUGUST, 1888.	APRIL, 1893.
Chief Engineer	1	1
Consulting Engineer	1	..
Deputy Chief Engineer	1	..
Special Assistant to Chief Engineer (real estate)	1	..
Assistant Engineer (Draughting Bureau)	1	1
Principal Assistant Engineer	1	..
Special Assistant Engineer in charge of Records	1	..
Assistant Engineers	8	1

RANK.	AUGUST, 1888.	APRIL, 1893.
Transitmen	1	..
Leveler	1	..
Inspectors	3	..
Axemen	7	..
Draughtsmen	10	4
Office Boys	2	..
Stenographer and Typewriter	..	2
Chief Clerk	1	1
Private Secretary *	1	1
Assistant Clerk	1	1
Totals	42	12

* This position is now combined with that of Special Assistant Engineer.

From the above you will see that very few promotions were made during your incumbency and those which entailed an increase of pay were, with the exception of the Division Engineerships, nearly all made to fill actual vacancies.

The work done by the Engineer Corps has been generally to the credit of its members, and as many of them have served the Aqueduct Commissioners for many years, the difficulty I labor under consists mainly of the choice that I must make in order to meet the ideas of the Commissioners as they were made known to me when, as mentioned before, the subject was called a few months ago to your attention.

I will first remind you of the fact that (on December 8, 1891) Division Engineer Wegmann addressed you a communication in which he pressed his claim for an increase of his salary, to make it equal to that of the other Division Engineers. He has asked me to call again your attention to his request.

In this connection I will say that a portion of the work intrusted to Mr. Wegmann, and which was originally intended to cover a long period of time, has been materially increased by the prompt action decided upon as to the immediate taking of land to promote the purity of the water supply, thus necessitating an increase of the force under his orders.

I will also present to you the claims for promotion of two of our oldest Assistant Engineers, Mr. Watkins and Mr. Ridgway, who, in view of the divided character of the work under the direction of Division Engineer Craven, have necessarily to bear more responsibility than those of their rank who are constantly under the eye of their superior officers.

Mr. Watkins is a veteran of the late war, and was originally, as you know, Division Engineer in charge of a part of the New Aqueduct.

Mr. Ridgway is a very efficient man who joined the Engineer Corps very early in the work, and whose constant presence on the work at Purdy's Station I consider of importance to the welfare of our constructing operations.

A higher grade of Assistant Engineers might be adopted, as the practice now obtains in the Department of Public Works, where Assistant Engineers receive various salaries, to which I recommend that they be promoted with a substantial increase of salary.

Among the other Assistant Engineers, seven have been promoted to that rank from one to three years ago, although their salaries remained that of Transitmen, at $1,500 per annum.

Allow me to recommend that four of them receive the full pay of their rank, i. e., $1,800 per annum, viz. :

M. A. Viele.	F. B. Rogers.	W. S. Page.
E. S. Larned.		

Of the members of the Engineer Corps who have passed successfully an examination for a higher rank, the following are recommended for promotion :

A. S. Nye, Jr., to be promoted from Leveler, at $1,200 per year, to Transitman, at $1,500 per year.

Macrae Sykes, from Computer, at $900 per year, to Leveler, at $1,200 per year.

Eight Laborers who are acting in connection with various engineering parties, at $2 per day, are recommended for the rank of Axeman, at $60 per month, an increase in each case of about $100, viz. :

Edward Whitehouse.	Winfred H. Roberts.	A. Jadin.
J. A. Rundlett.	John D. Grannis.	John O'Connor.
F. J. Titus.	Julian Thornley.	

I will call your attention also to the case of Clerk George B. Bosworth of this office, who has several times asked you for an increase of pay. He has now $75 per month and has passed a successful examination for a higher grade of Clerkship with a high percentage. He is a veteran of the late war.

I am, respectfully,

A. FTELEY, Chief Engineer.

—and recommended the adoption of the following resolutions :

Resolved, That the salary of Division Engineer Edward Wegmann, Jr., be and the same is hereby fixed at three thousand six hundred dollars per annum, to take effect from and after May 15, 1893.

On motion of Commissioner Scott, the same was adopted.

Resolved, That, upon the recommendation of the Chief Engineer, the salary of Assistant Engineers Frederick W. Watkins and Robert Ridgway is hereby fixed at two thousand two hundred dollars per annum, the same to take effect from and after May 15, 1893.

On motion of Commissioner Scott, the same was adopted.

Resolved, That, upon the recommendation of the Chief Engineer, A. S. Nye, Jr., be and hereby is promoted from Leveler to Transitman, in the Engineer Corps, at a salary of one thousand five hundred dollars per annum, he having been certified by the Civil Service Commission as eligible for such promotion, the same to take effect from and after May 15, 1893.

On motion of Commissioner Scott, the same was adopted.

Resolved, That, upon the recommendation of the Chief Engineer, Macrae Sykes be and hereby is promoted from Computer to Leveler, in the Engineer Corps, at a salary of one thousand two hundred dollars per annum, he having been certified by the Civil Service Commission as eligible for such promotion, the same to take effect from and after May 15, 1893.

On motion of Commissioner Scott, the same was adopted.

Resolved, That George B. Bosworth, employed as Clerk in the office of the Chief Engineer, be and hereby is promoted from the first to the second grade of Clerkship, at a salary of one thousand two hundred dollars per annum, he having been certified by the Civil Service Commission as eligible for such promotion, the same to take effect from and after May 15, 1893.

On motion of Commissioner Scott, the same was adopted.

Resolved, That, upon the recommendation of the Chief Engineer, the salaries of the following-named Assistant Engineers be fixed at one thousand eight hundred dollars per annum, the same to take effect from and after May 15, 1893:

M. A. Viele.	W. S. Page.	F. B. Rogers.
E. S. Larned.		

On motion of Commissioner Scott, the same was adopted.

Resolved, That, upon the recommendation of the Chief Engineer, the following-named persons, now employed as Laborers in the Engineer Corps at two dollars per day, be and hereby are appointed Axemen in the Engineer Corps at a salary of sixty dollars per month, the same to take effect from and after May 15, 1893:

Edward Whitehouse.	J. A. Rundlett.	F. J. Titus.
Winfred H. Roberts.	John D. Grannis.	Julian Thornley.
A. Jadin.	John O'Connor.	

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Secretary, the salary of Frank H. Warder, employed as Typewriter in his office, is hereby fixed at twelve hundred dollars per annum, the same to take effect from and after May 15, 1893.

On motion of Commissioner Cannon, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Secretary, the salary of Herrmann Blumenthal, employed as ~~Engrossing~~ Clerk in his office, is hereby fixed at fifteen hundred dollars per annum, the same to take effect from and after May 15, 1893.

On motion of Commissioner Cannon, the same was adopted.

On motion of Commissioner Tucker, the minutes of meetings of April 12, 19 and 26, 1893, were ordered approved.

The Commissioners then adjourned.

J. C. LULLEY, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their Office, No. 209 Stewart Building, on Wednesday, May 17, 1893, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Scott and Cannon.

The Construction or Executive Committee presented the following :

The Construction or Executive Committee report :

That at their meeting held on May 17, 1893, the following resolution was adopted, and they now ask your approval of their action :

" Resolved, That the bid-box be closed and the keys given to the President, and that the Secretary be authorized by this Commission to receive the bids for constructing highways or road and their appurtenances, fences, etc., at Reservoir " M," in the Town of North Salem, Westchester County, New York, as called for in the approved forms of contract and specifications on file in the office of the Aqueduct Commissioners, and also to receive the checks of the bidders, and to make the necessary preparations for opening the bids received for doing said work under the law."

On motion of Commissioner Tucker, the action of the Committee was approved.

In pursuance to the following notice, published daily for fifteen consecutive days, commencing with April 29, 1893, in the CITY RECORD, " New York Times," and " The Daily News," bids were received for constructing highways or roads and their appurtenances, fences, etc., at Reservoir "M," in the Town of North Salem, Westchester County, New York :

AQUEDUCT COMMISSIONERS' OFFICE,
ROOM 209, STEWART BUILDING, No. 280 BROADWAY,
NEW YORK, April 28, 1893.

TO CONTRACTORS.

Bids or proposals for doing the work and furnishing the materials called for in the form of contract now on file in the office of the Aqueduct Commissioners, for constructi or roads, and their appurtenances, fences, etc., at Reservoir "M," i Westchester County, New York, will be received at this office until ' o'clock P. M., at which place and hour they will be publicly opened and the award of the contract for doing said work and furnishing s said Commissioners as soon thereafter as practicable.

Blank forms of said approved contract and the specifications thereof, and bids or proposals, and proper envelopes for their inclosure, and form of bonds, and also the plans for said work and all other information, can be obtained at the above office of the Aqueduct Commissioners on application to the Secretary.

By order of the Aqueduct Commissioners.

JAMES C. DUANE, President.

J. C. LULLEY, Secretary.

1. Flagler & Buckley	$80,252 00
2. Jeremiah R. Byron	78,312 50
3. Clinton Stephens	95,430 00
4. Conover & Newton	71,232 50
5. Washburn & Washburn	73,606 00
6. John Twiname	64,530 00

Whereupon, on motion of Commissioner Cannon, the following preamble and resolution was adopted:

Whereas, Bids for constructing highways or roads and their appurtenances, fences, etc., at Reservoir "M," in the Town of North Salem, Westchester County, New York, having been received and publicly opened and read; therefore,

Resolved, That the Chief Engineer is hereby directed to have said bids calculated and tabulated and submit the same, together with his estimate of the work, at a meeting of the Construction or Executive Committee of the Aqueduct Commissioners, for consideration and canvassing by them at 3 o'clock P. M., on the 24th day of May, 1893, and the bids and checks of the bidders so received are hereby referred to the Committee of Finance and Audit for examination and report to the Commissioners as to their formality and the sufficiency of the sureties proposed by the bidders.

On motion of Commissioner Scott, a recess of fifteen minutes was then taken.

Upon resuming the meeting there were present:

Commissioners Duane, Tucker, Scott, and Cannon.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 8753 to 8767, inclusive, amounting to $1,491.65.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Construction or Executive Committee presented the following communication received from the Chief Engineer:

NEW YORK, May 17, 1893.

To the Honorable the Committee on Construction:

GENTLEMEN—I submit herewith a statement showing in detail my estimate for the work of constructing highways or roads and their appurtenances, fences, etc., at Reservoir "M."

The total amount of my estimate is $76,637.50.

I am, respectfully,

A. FTELEY, Chief Engineer.

On motion of Commissioner Cannon, the same was ordered filed.

The Committee also presented final plan sheet, described as "Exhibit No. 3 of 1893," submitted by the Commissioner of Public Works on March 10, 1893, showing certain parcels of land required for the construction of the New Croton Reservoir in the Village of Katonah, Town of Bedford, Westchester County, New York, and recommended the adoption of the following resolution :

Resolved, That for the more efficient carrying out of the provisions of chapter 490 of the Laws of 1883 of the State of New York, and the acts amendatory thereof, we, the Aqueduct Commissioners, do hereby approve and adopt the aforesaid final plan sheet, showing lands required for the construction of the New Croton Reservoir, in the Village of Katonah, Town of Bedford, Westchester County, New York, and direct that the same be duly certified and filed in this office, and designated "Final Plan Sheet No. 3, of 1893," and that a copy thereof be certified and transmitted to the Commissioner of Public Works for filing in his office, as required by section 2 of the aforesaid act ; and the Commissioner of Public Works is hereby requested to submit the six similar property maps describing the lands to be acquired for the construction of said reservoir.

The same was adopted by the following vote :

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in dropping from the pay-roll the name of I. S. Rossell, as Laborer, who left the work on May 4, 1893, be and hereby is approved.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended that the resolution adopted on March 15, 1893, promoting Frank N. Speyer from Transitman to Assistant Engineer, be rescinded, and, in lieu thereof, recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, Transitman Frank N. Speyer is hereby promoted to the grade of Assistant Engineer in the Engineer Corps of the Aqueduct Commissioners, at one thousand eight hundred dollars per annum, he having been certified by the Civil Service Commission as eligible for such promotion ; the same to take effect from and after May 17, 1893.

On motion of Commissioner Scott, the recommedation was approved and the resolution adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, Charles A. Thomas be and hereby is appointed Axeman in the Engineer Corps, at sixty dollars per month, to take the place of J. Arthur Valles, resigned, to take effect May 17, 1893.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Secretary, the accompanying bill of the Secretary of State for three certified copies of chapter 189 of the Laws of 1893 of the State of New

York, known as the "Watershed Bill," amounting to thirty-six dollars and seventy-five cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bills of Jacob E. Crow for use of buggy for four months and sleigh for season, at Sing Sing, N. Y., amounting to thirty-four dollars, are hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in employing temporarily the following persons, on the 13th instant, for work under Division Engineer Craven, at Purdy's Station, N. Y., be and hereby is approved :

William Brearton, Foreman	$3 50	per day.
Frank Russell, Laborer	2 00	"
George Fergerson, Laborer	2 00	"
Jackson Adams, "	2 00	"
Wilson Ganung, "	2 00	"
Martin Dwyer, "	2 00	"

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in employing temporarily, on the 9th instant, Frank Rogers, as Bricklayer, at three dollars and fifty cents per day, be and hereby is approved.

On motion of Commissioner Tucker, the same was adopted.

The Committee also presented the resignation of Assistant Engineer L. P. de Luze, and recommended that the same be accepted, to take effect as of May 10, 1893.

On motion of Commissioner Scott, the recommendation was approved.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of Seth Hoyt for cleaning out nineteen privies at Katonah, N. Y., amounting to ninety-five dollars, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of Kellogg & Elliott for labor and materials furnished in abating nuisances in and about Katonah,

N. Y., amounting to two hundred and forty-six dollars and thirty-eight cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of Kellogg & Elliott for team for conveyance of party at Katonah, N. Y., and for board of said team, amounting to sixty-eight dollars and forty cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the accompanying bill for taxes due the Town of Cortlandt, Westchester County, New York, for the year 1892, amounting to six hundred and ninety dollars and sixty-four cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the accompanying bill for taxes due the Town of Cortlandt, Westchester County, New York, School District No. 19, for the year 1892, amounting to ninety-seven dollars and twenty-three cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Comptroller, under date of April 30, 1893, gave notice of the issue of warrants for the payment of vouchers not certified to by the Aqueduct Commissioners for—

Cornell Dam	$195 00
Double Reservoir "I"	500 00
Reservoir "M"	250 00

—leaving a balance to the credit of "Additional Water Fund," of $155,994.07.

Which was ordered entered upon the books of the Commission and filed.

The Commissioners then adjourned.

J. C. LULLEY, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, May 24, 1893, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Scott and Cannon.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 8771 to 8781, inclusive, amounting to $746.47.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Committee also presented the following:

The Committee of Finance and Audit report:

That they have examined the bids and checks received May 17, 1893, for constructing highways or roads and their appurtenances, fences, etc., at Reservoir "M," in the town of North Salem, Westchester County, N. Y.

The checks, amounting to nine thousand dollars ($9,000), were correct and transmitted to the Comptroller, and his receipt is on file.

The bids were found correct as to their formality, and the sureties proposed appear to be sufficient.

On motion of Commissioner Tucker, the same was approved.

The Construction or Executive Committee recommended the adoption of the following resolution:

Resolved, That the contract for constructing highways or roads and their appurtenances, fences, etc., at Reservoir "M," in the town of North Salem, Westchester County, New York, be and hereby is awarded to John Twiname at his bid of $64,530, it being the lowest bid received and less than the estimate of the Chief Engineer.

The same was adopted by the following vote:

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also presented the resignation of Transitman J. P. Schermerhorn, and recommended that the same be accepted, to take effect May 24, 1893.

On motion of Commissioner Tucker, the recommendation was approved.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in employing the following-named persons for sanitary work in the Croton watershed, at the rates of compensation and on the dates set opposite their names, be and the same is hereby approved, viz. :

NAME.	RANK.	RATE PER DAY.	REPORTED.
	At Reservoir "M."		
1. William Gilmore	Driver and two-horse team	$4 00	May 16.
2. Roswell B. Totten	Foreman	3 50	" 17.
3. Stephen A. Hynard	Laborer	2 00	" 17.
4. Edward Connors	"	2 00	" 18.
5. John Fitzpatrick	"	2 00	" 17.
6. William Gilmore	Another two-horse team and driver	4 00	" 18.
7. John St. Peter	Two-horse team and driver	4 00	" 22.
	At Reservoir "D."		
1. William A. Barrett	Foreman	$3 50	May 19.
2. Tunis Mead	Teamster and team	4 00	" 19.
3. Coleman Bennett	"	4 00	" 19.
4. Philander Sutton	Laborer	2 00	" 19.
5. Stephen Sutton	"	2 00	" 20.
	At New Croton Dam Division.		
1. George Wilson	Laborer	$2 00	May 16.
2. Patrick Lynch	"	2 00	" 16.
	At Croton River Division.		
1. John McKeon	Laborer	$2 00	May 23.
2. Mark Spencer	Foreman, including use of horse and carriage	5 00	" 15.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in assigning Superintendent of Dam Construction Gerald McMurray to duty, on the 24th instant, at the auxilliary dam for Reservoir "D," be and hereby is approved.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following preamble and resolution :

Whereas, Application has been made by Levy & Quinn, contractors, for an extension of time for the completion of the contract for grading, improving and fencing the grounds at several of the shafts of the New Croton Aqueduct, and the Chief Engineer having recommended that an extension of time to July 1, 1893, be granted ; therefore

Resolved, That the Aqueduct Commissioners hereby grant to Levy & Quinn, contractors, an extension of time to July 1, 1893, in which to complete the contract above referred to, providing their bondsmen shall, within ten days from the date hereof, enter into stipulations continuing their obligations for and during the completion of said contract under said extension of time, which is hereby allowed to them as further time for the performance of said contract.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following preamble and resolution :

Whereas, Application has been made by John Peirce, assignee of William H. Baker, contractor for building the head-house and engine-room superstructure, etc., at Shaft No. 25, Section No. 12 of the New Aqueduct, and the Chief Engineer having recommended that an extension of time to August 1, 1893, be granted ; therefore,

Resolved, That the Aqueduct Commissioners hereby grant to John Peirce, assignee of William H. Baker, contractor, an extension of time to August 1, 1893, in which to complete the contract above referred to, providing his bondsmen shall, within ten days from the date hereof, enter into stipulations continuing their obligations for and during the completion of said contract under said extension of time, which is hereby allowed to him as further time for the performance of said contract ; and further providing that said Peirce will enter into an agreement authorizing the Aqueduct Commissioners to deduct from any moneys that may become due on said contract the amount of direct damages provable by reason of said extension of time.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in discharging the following-named persons on the dates set opposite their names, be and the same is hereby approved, viz. :

NAME.	RANK.	RATE PER DAY.	DISCHARGED.
	At Croton River Division.		
1. Abram Merritt	Laborer	$1 75	May 22.
	At New Croton Dam Division.		
1. Patrick Lynch	Laborer	$2 00	May 20.

On motion of Commissioner Tucker, the same was adopted.

The Committee also presented six similar property maps received from the Commissio Public Works on May 18, 1893, showing certain parcels of land required for the constructi

New Croton Reservoir, in the village of Katonah, town of Bedford, Westchester County, New York, and recommended the adoption of the following resolution :

Resolved, That the six similar property maps, received from the Commissioner of Public Works on May 18, 1893, showing certain parcels of land required for the construction of the New Croton Reservoir, in the village of Katonah, town of Bedford, Westchester County, New York, be and the same are hereby approved and adopted, and directed to be certified and transmitted to the Counsel to the Corporation for filing and delivery to the Commissioners of Appraisal, in accordance with the provisions of chapter 490 of the Laws of 1883 of the State of New York, and the Counsel to the Corporation is hereby requested to take the steps necessary to acquire for the City, under chapter 490 of the Laws of 1883 of the State of New York, the fee in the lands described on said maps ; and the Secretary is hereby directed to furnish to the Counsel to the Corporation all maps, plans, etc., which he may require in the premises.

The same was adopted by the following vote :

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also recommended the adoption of the following preambles and resolutions :

Whereas, The City of New York, through the Aqueduct Commission, has used and occupied two lots or parcels of land at Brewster, Putnam County, New York, shown on the accompanying map, and thereon marked "63½" and "63¾," which lots contain 0.035 of an acre, and belong to Martha M. Crosby ; and,

Whereas, It is necessary that the City shall acquire title to said land in fee simple ; and

Whereas, The said Martha M. Crosby has offered, in writing, to sell said lots of land to the City of New York for the sum of fifty dollars ($50), which sum is to include not only the price of said land, but also all claim or claims she may have against the City of New York for the use and occupation of said land, and for interest upon the value thereof from the date said occupation commenced, and for damages of every kind and nature arising out of said occupation ; and

Whereas, The Chief Engineer of the Aqueduct Commission has reported, in writing, to said Commission that said offer is reasonable, and that it would be to the best interests of the City of New York that the same should be accepted ;

Resolved, That the Aqueduct Commissioners (subject to the approval of the Board of Estimate and Apportionment) hereby approves and accepts the aforesaid offer and proposition of said Martha M. Crosby, and agrees to pay her the said sum of fifty dollars for said land and for a full release of all her said claims, provided she makes and executes a deed and release satisfactory in form to the Counsel to the Corporation, and provided further that the said Counsel to the Corporation, upon examination, shall be satisfied and shall certify, in writing, that said Martha M. Crosby is seized of said land in fee simple, has good right to convey the same, and that the same is free from incumbrance.

Resolved, That this resolution be referred to the Board of Estimate and Apportionment for approval, and that there be transmitted to said Board therewith the accompanying map or survey, and the letter of the Chief Engineer approving said settlement and purchase.

The same were adopted by the following vote :

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also recommended the adoption of the following preambles and resolutions :

Whereas, The City of New York, through the Aqueduct Commission, has used and occupied a lot or parcel of land at Brewster, Putnam County, New York, shown on the accompanying map, and thereon marked "15a", which lot contains 1.673 acres and belongs to John R. Yale ; and

Whereas, It is necessary that the City shall acquire title to said land in fee simple ; and

Whereas, The said John R. Yale, through his attorney, has offered to sell said lot of land to the City of New York for the sum of four hundred and fifty dollars ($450), which sum is to include all claim or claims he may have against the City of New York, for the use and occupation of said parcel of land and for interest upon the value thereof from the date said occupation commenced, and for damages of every kind and nature arising out of said occupation ; but is not to cover any claim for damages to the remaining lands of said John R. Yale, owing to the soakage of water through or under the structure erected for impounding water in what is known as Bog Brook Reservoir ; and

Whereas, The Chief Engineer of the Aqueduct Commission has reported, in writing, to said Commission that said offer is reasonable, and that it would be to the best interests of the City of New York that the same be accepted ;

Resolved, That the Aqueduct Commission (subject to the approval of the Board of Estimate and Apportionment) hereby approves and accepts the aforesaid offer and proposition of said John R. Yale, and agrees to pay him the said sum of four hundred and fifty dollars for said parcel of land, and for a full release of all his claims concerning said parcel, provided he makes and executes a deed and release satisfactory in form to the Counsel to the Corporation, and provided further that said Counsel to the Corporation, upon examination, shall be satisfied and shall certify, in writing, that said John R. Yale is seized of said land in fee simple, has good right to convey the same, and that the same is free from incumbrance.

Resolved, That this resolution be referred to the Board of Estimate and Apportionment for approval, and that there be transmitted to said Board therewith the accompanying map or survey and the letter of the Chief Engineer approving said settlement and purchase.

The same were adopted by the following vote :

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the leave of absence, without pay, heretofore granted to Assistant Engineer Richard Baldwin, Jr., be and hereby is extended to August 17, 1893, and until he shall be assigned to duty by the Chief Engineer.

On motion of Commissioner Tucker, the same was adopted.

The Commissioners then adjourned.

J. C. LULLEY, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their Office, No. 209 Stewart Building, on Wednesday, May 31, 1893, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Scott and Cannon.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 8789 to 8797, inclusive, amounting to $745.40; also of estimates contained in Vouchers Nos. 8798 to 8801, inclusive, amounting to $1,182.82.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Construction or Executive Committee recommended the adoption of the following resolution:

Resolved, That the action of the Chief Engineer in discharging the following persons on the dates hereinafter named be and hereby is approved:

John St. Peter, Driver, and two-horse team, May 23.

George Wilson, Laborer, May 24.

Frank Hart, Machinist, May 22.

James Healey, Laborer, May 25.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That the action of the Chief Engineer in employing Morris Murphy, as Laborer, on May 29, 1893, to take charge of stable and horses at Carmel, N. Y., be and hereby is approved.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That the action of the Chief Engineer in temporarily employing the following persons on May 23, 1893, for work in the abatement of nuisances on the Croton River Division, at Katonah, N. Y., be and hereby is approved:

J. Bailey, Bricklayer	$3 50	per day.
Timothy Moriarty, Bricklayer	3 50	"
John Fay, Carpenter	2 50	"
William Wright, Laborer	2 00	"
John Bohen, "	2 00	"
Frank Cree, "	2 00	"
Frank Hobby, "	2 00	"
James Kaierce, "	2 00	"
Thomas Curley, Teamster, and team	4 00	"
John Wostrel, "	4 00	"

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in temporarily employing the following persons on May 26, 1893, as Laborers for work in the abatement of nuisances on the New Croton Dam Division, at two dollars per day, be and hereby is approved :

James Adams. W. A. Tompkins. Eugene Wilson.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in increasing the pay of James Ford and James Green, employed as Laborers at Katonah, N. Y., from one dollar and seventy-five cents to two dollars per day, such increase taking effect on May 23, 1893, be and hereby is approved.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, Thomas J. McNamara be and hereby is appointed Axeman in the Engineer Corps of the Aqueduct Commissioners, to take the place of Benjamin F. Bruce, Jr., resigned, at a salary of sixty dollars per month, to take effect June 1, 1893.

On motion of Commissioner Scott, the same was adopted.

The Committee also presented the following communications :

NEW YORK, May 17, 1893.

To the Honorable the Committee on Construction :

GENTLEMEN—In pursuance of your instructions I communicated with Mr. James S. Coleman, contractor for the New Croton Dam, to ask him his terms as to the removal of timber and brush from the land taken to date for the New Croton Dam.

After several interviews and repeated requests that he give a bid for this work, he writes, under date of May 16, that he will do the work for the sum of $1,500.

His proposal is herewith submitted.

I also submit a copy of my letter of May 15, as to the terms of the proposed agreement.

The amount of his bid being reasonable, and in view of the advantage for the welfare of the work of having a single contractor on the ground, I respectfully recommend that his terms be accepted, and that he be ordered to do the work under the conditions named in my letter of May 15 last.

I am, respectfully,

A. FTELEY, Chief Engineer.

NEW YORK, May 10, 1893.

A. FTELEY, Esq., *Chief Engineer, Aqueduct Commission*, New York City:

DEAR SIR—In answer to your letter of yesterday, I beg to say that I will do the cutting of timber and clearing on the land taken for the New Croton Dam, in accordance with the terms and conditions you mention in your letter of yesterday. for the sum of fifteen hundred ($1,500) dollars.

The timber to be cut "low stump," that is to say, as I understood you to express it, "just above where the tree commences to swell out."

Very truly yours,

J. S. COLEMAN.

—and recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, the work of removing timber and brush from the lands taken for the construction of the New Croton Dam be and hereby is awarded to James S. Coleman at his bid of one thousand five hundred dollars, and the Chief Engineer is hereby directed to prepare triplicate agreements to cover said work for execution by said James S. Coleman and the Aqueduct Commissioners.

The same was adopted by the following vote:

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

On motion of Commissioner Tucker, the minutes of meetings of May 10 and 17, 1893, were ordered approved.

The Commissioners then adjourned.

J. C. LULLEY, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, June 7, 1893, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Scott and Cannon.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 8804 to 8814, inclusive, amounting to $847.23; also of estimates contained in Vouchers Nos. 8815 to 8819, inclusive, amounting to $43,402.04.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Construction or Executive Committee recommended the adoption of the following resolution:

Resolved, That the action of the Chief Engineer in discharging the following-named persons, on the dates hereinafter mentioned, be and hereby is approved:

James Green, Laborer, June 5.
John Wostrel, Teamster, with team, June 5.
William Gilmore, Teamster, with team, June 3.
Coleman Bennett, Teamster, with team, May 27.
Tunis Mead, Teamster, with team, June 3.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That the action of the Chief Engineer in temporarily employing the following-named persons on the dates hereinafter mentioned, be and hereby is approved:

NAME.	RANK.	PAY PER DAY.	DATE.
Patrick O'Brien	Carpenter	$2 50	May 30
Lanson Ferguson	Bricklayer	3 50	" 30
Oscar Miersch	Teamster, with team	4 00	" 30

NAME.	RANK.	PAY PER DAY.	DATE.
David Kipp	Laborer	$2 00	May 30
Joseph O'Laughlin	"	2 00	" 30
James Fitzpatrick	"	2 00	" 30
James Ward	"	2 00	" 30
William Cream	"	2 00	" 30
W. Quinn	"	2 00	" 30
Emory Furguson	"	2 00	" 30
William Penhall	"	2 00	" 30
Erastus Knapp	"	2 00	" 30
Michael Evans	"	2 00	" 30
Howard Buckley	"	2 00	" 30
Sherman Adams	"	2 00	" 30
John Walen	"	2 00	" 30
James Lavarry	"	2 00	" 30
James Braidon	"	2 00	" 30
Samuel Rooney	"	2 00	" 30
John Bachman	"	2 00	" 30
Michael Woods	"	2 00	" 30
Charles Mulvaney	"	2 00	" 30
Jacob Gessman	"	2 00	" 30
William Schnabel	Teamster, with team	4 00	June 5

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That the action of the Chief Engineer in assigning Superintendent of Dam Construction Andrew J. Sparrow to duty under Division Engineer Craven at Carmel, N. Y., on May 30, 1893, be and hereby is approved.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That the resignation of Walter J. Sager, Foreman, be and hereby is accepted, to take effect after June 5, 1893.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of John Fox for gate stem at Bog Brook Dam Gatehouse, amounting to one hundred and

six dollars and four cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of David Travis for cleaning privy vaults near Brewster dams, amounting to sixty-three dollars, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of R. S. Gillespie for transportation between New York and Brewster and for board at Brewster, etc., amounting to ninety-seven dollars and twenty-six cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of Harry James, for transportation between New York and Brewster and for board at Brewster, amounting to forty-six dollars and thirty-four cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of R. D. Philbin, for transportation between New York and Brewster and for board at Brewster, amounting to forty-three dollars and sixty-four cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the following resolution, adopted on May 10, 1893, be and hereby is rescinded :

" Resolved, That the accompanying bill for taxes due the Town of North Salem, Westchester County, New York, for the year 1892, amounting to three hundred and eleven dollars and eighty cents, is hereby approved and ordered certified to the Comptroller for payment."

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the accompanying bill for taxes due the Town of North Salem, Westchester County, New York, for the year 1892, amounting to four hundred and sixty dollars and ninety-five cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the accompanying bill for taxes due the Town of South East, Putnam County, New York, School District No. 6, for the year 1892, amounting to one hundred dollars and fourteen cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also submitted form of contract, specifications and bond received from the Commissioner of Public Works on the 2d day of June, 1893, to provide for cutting timber and clearing grounds of Reservoir "M," near Purdy's Station, in the Town of North Salem, Westchester County, New York, and recommended the adoption of the following resolutions :

Resolved, That the form of contract, specifications and bond, submitted by the Commissioner of Public Works on the 2d day of June, 1893, and approved by the Counsel to the Corporation "as to form," for cutting timber and clearing grounds of Reservoir "M," near Purdy's Station, in the Town of North Salem, Westchester County, New York, be and the same are hereby approved and adopted ; and the Secretary is hereby directed to have triplicate copies thereof prepared for certification by the Aqueduct Commissioners and filed in accordance with section 25, chapter 490, Laws of 1883.

Resolved, That the President and Secretary be and they are hereby authorized and directed to publish in the CITY RECORD, "New York Herald," and the "New York Tribune," a notice and advertisement for sealed bids or proposals for doing the work and furnishing the materials for cutting timber and clearing grounds of Reservoir "M," near Purdy's Station, in the Town of North Salem, Westchester County, New York, as called for in the form of contract approved and adopted by the Aqueduct Commissioners on June 7, 1893.

The same were adopted by the following vote :

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also submitted the following :

NEW YORK, May 24, 1893.

To the Aqueduct Commissioners :

GENTLEMEN—In the opinion of the Construction Committee, the time has now arrived when steps should be taken looking to the acquisition of a site for and the construction of the projected storage reservoir within the city limits, north of the Harlem river.

The main purpose of this reservoir is to provide a large amount of storage within the city limits and near the point of distribution, so that if, in the future, owing to any circumstances, the flow of the water through the New Aqueduct should be stopped for any considerable number of days, the city would be protected from the inconvenience and danger of an inadequate water supply during the period of such stoppage. The construction of such a reservoir and its location have been determined beyond recall by the concurrent action of the Department of Public Works and of the Aqueduct Commission at the time the plans for the New Aqueduct were adopted.

In a report made to the Aqueduct Commission on July 2, 1884, the then Chief Engineer called the attention of the Commission to the necessity for determining upon the site for such a reservoir before the contract and specifications for the Aqueduct itself could be intelligently prepared, and in so doing he used the following language : "When the future full-carrying power of the conduit is required the present city reservoirs would supply the city but for two days, if the water be stopped

for repairs or inspection of the Aqueduct; and if 75,000,000 gallons per day are retained for the city above Harlem river, an equalizing reservoir will be a necessity. It would therefore be a reproach to the intelligence both of the Commission and their Engineers if so important a matter were neglected as the provision for this reservoir in planning the grade and size of the conduit. This can be done by deciding on the site of the reservoir without waiting for surveys or purchase of lands."

"Consulting Engineer Davis, Mr. Fteley and myself have examined the maps and inspected the grounds. We find that at Jerome Park the topographical features admit of a reservoir that will store about 1,500,000,000 gallons, all of which will be usable without serious loss of head to the city, and which seems to be the only available site."

Although no formal resolution seems to have been adopted locating a reservoir at Jerome Park, the Department of Public Works in presenting the plans for the New Aqueduct, and the Aqueduct Commission in adopting those plans, practically and irrevocably determined upon the ultimate construction of such a reservoir at that point by determining upon a conduit with an estimated flowage capacity of 310,000,000 gallons per diem to Jerome Park, and only 250,000,000 below that point.

The only point as to which there has been any question has been as to the time when the land for this reservoir should be acquired and the work of construction begun. The matter was brought to the attention of the present Aqueduct Commission in the spring of 1889, by a letter from one of the owners of the property to be included within the reservoir, and a joint report was made to the Commission by the Chief Engineer of this Commission and by the Chief Engineer of the Croton Aqueduct, in which they agreed, first, that there should be built at some time, in connection with the water supply of New York and for the proper storage and distribution thereof, a large reservoir in the vicinity of the aqueducts in the Annexed District, and, second, that the proposed reservoir should cover the greater part, if not the whole, of the Jerome Park property. They did not agree as to the precise time when the necessities of the city would require this reservoir for use, the Chief Engineer of this Commission believing that the commencement of its construction should not be delayed, while the Chief Engineer of the Croton Aqueduct reported that, in his opinion, it would not be needed for about ten years from the date of his report, which would be in the spring of 1899. The Commissioners, then leaving undetermined for the moment the question as to when the construction of the reservoir should be commenced, submitted to two well-known real estate experts the question as to whether or not the increase in the value of the property during the next five years would or would not be likely to exceed the cost to the City for interest upon the then present value of the property and for loss of taxes if the proceedings for the acquisition of such property were commenced at once.

These experts reported on June 24, 1889, that, after a careful consideration of the matter in all its phases, they had arrived at the conclusion that it was manifestly for the best interests of the City to acquire the land in the very near future, providing it could be done at its fair market value.

The Commission then, with a view to having all phases of the subject before them, referred the matter to a committee, consisting of the Mayor, Comptroller and Commissioner of Public Works, to report whether or not the present condition of the finances of the city and the probable necessity for the issue of City Bonds in the near future for other than Aqueduct purposes, were such that it would be best for the Aqueduct Commission to locate and acquire a site for a reservoir in the Annexed District at once, or delay such location and acquisition until the Commission shall be ready to begin the construction of such reservoir. The question submitted to that Committee is no longer a factor in the consideration of the subject, because if the reservoir is to be ready for use even by the time so conservatively fixed by the Chief Engineer of the Croton Aqueduct, it is certain that proceedings for the acquisition of the site should be begun as speedily as possible.

As has been said, the report of the Chief Engineer of the Croton Aqueduct as to when, in his opinion, this reservoir would be required, fixes the date at 1899, or six years from the present time

and it appears to be clear that even if proceedings were commenced at once for the acquisition of the property, it would be nearly or quite six years from the present date before the reservoir could be completed and ready for use.

In the meantime the daily consumption of water resulting from the opening of the New Aqueduct has greatly exceeded the predictions and expectations of every one who had expressed an opinion on that subject in advance.

It, therefore, in the opinion of the Construction Committee, would be most unsafe and unwise to longer postpone the commencement of this much needed work.

Another potent reason for proceeding with this work without further delay is the danger, which is always present, that speculators will buy up the property to be acquired with a view to making an unreasonable profit out of the city. The ultimate location of a reservoir is so well assured and so widely known that it affords a constant temptation to speculation, and presents a constant danger that purchasers may erect buildings for which the City will be obliged to pay without reaping any corresponding advantage.

Until this reservoir shall be constructed, if any serious accident should happen to the New Aqueduct above the city line, or if any disaster should fall upon the Croton Dam, requiring any considerable number of days to repair, we should find the city reduced to a condition, so far as its water supply is concerned, which would be extremely embarrassing, and which might prove absolutely dangerous.

Of course, we do not anticipate that either of these things will happen, but a wise and proper arrangement of water-works for a great city like this involves the taking of precautions against every possible contingency however remote it may seem to be.

The construction and completion of this reservoir, with the other works now in progress, will complete the great system of water supply for this city for an unknown number of years to come, and your Committee feels very strongly that we should not now hesitate or delay in completing the work which has been committed to our charge. We therefore recommend the adoption of the following resolutions:

Resolved, That the Aqueduct Commissioners hereby determine upon and direct the construction of a reservoir within the city limits, north of the Harlem river, to a point and of the dimensions indicated in a joint report made to this Commission by the Chief Engineer of this Commission and the Chief Engineer of the Croton Aqueduct, dated June 4, 1889, and the Commissioner of Public Works is hereby requested to prepare and submit to us such plans, maps, specifications, estimates and details to provide for the construction of said reservoir as shall be sufficient and requisite for the public hearing required by law.

Resolved, That the Commissioner of Public Works be and hereby is requested to prepare and submit to the Aqueduct Commissioners a final plan sheet showing the amount and description of the several parcels of land necessary to be taken to construct a reservoir within the city limits, north of the Harlem river, within the lines submitted to this Commission by the joint report of the Chief Engineer of the Aqueduct Commission and the Chief Engineer of the Croton Aqueduct on June 4, 1889.

Respectfully,

J. C. DUANE, Chairman, Construction Committee.

The report was received and approved, and the resolutions adopted, by the following vote:

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also presented the following communication received from the Chief Engineer, and recommended that the same be spread in full on the minutes and filed :

NEW YORK, June 7, 1893.

To the Honorable the Committee on Construction :

GENTLEMEN—On April 12 last I was appointed by the Commissioner of Public Works as his deputy for the abatement of nuisances in the part of the Croton water-shed which is under the jurisdiction of the Aqueduct Commissioners. Shortly afterwards, owing to the large amount of work to be performed by the Department of Public Works, I was requested to take charge of a much more extended territory, as follows :

The lower part of the water-shed to the Putnam County line, with the exception of Mount Kisco, and of the water-shed of Amawalk Dam, which remain under the jurisdiction of the Department of Public Works.

In Putnam County the water-shed of Bog Brook and the grounds adjacent to the East Branch and Carmel Reservoirs.

The work has been put in the hands of the various Division Engineers who have temporarily hired, with your approval, the necessary force of men and teams to carry out the necessary work.

The ground allotted to me has now been substantially covered, but a comparatively small number of nuisances, although located and ordered abated, remain to be removed. I expect that inside of two or three weeks the work will be wholly done, but active supervision must continue for the enforcement of our orders.

At Katonah, where many nuisances were concentrated in a single spot, all direct objectionable drainage into the river has been stopped and a large number of privies have been removed and replaced by water-tight masonry structures.

Generally the work to be done has consisted in removing out of harm's way privies, piles of manure and other nuisances ; in the cleaning, removal, rebuilding or emptying after proper cleaning, of privies, house drainage, manure heaps, hen-houses, hog-pens, stables, barns and other buildings.

In all, at the end of May, the number of principal nuisances abated, outside of many minor ones which are not mentioned here, was 529.

In addition, and in view of the expected flowage of the lands for the reservoirs which are now under construction, over 150 buildings, including 7 mills, 1 tannery, 1 slaughter-house, were sold and removed.

Surveys have also been made for the condemnation of 33 additional estates situated on the lands to be flooded or in close proximity to the water line of the reservoirs, all of which contain buildings the drainage of which would become a permanent nuisance, but in all cases the present causes of pollution have been removed.

More surveys are now being made for the same purpose.

I am, respectfully,

A. FTELEY, Chief Engineer.

On motion of Commissioner Scott, the recommendation was approved.

On motion of Commissioner Tucker, the minutes of meeting of May 24, 1893, were ordered approved.

The Commissioners then adjourned.

J. C. LULLEY, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their Office, No. 209 Stewart Building, on Wednesday, June 14, 1893, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Scott and Cannon.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 8822 to 8832, inclusive, amounting to $2,558.11; also of estimates contained in Vouchers Nos. 8833 to 8837 inclusive, amounting to $5,082.87.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Construction or Executive Committee recommended the adoption of the following resolution:

Resolved, That the action of the Chief Engineer in temporarily employing the following-named persons on the date hereinafter named, for sanitary work on the Croton River Division of the New Aqueduct, at Katonah, N. Y., be and hereby is approved:

NAME.	RANK.	RATE PER DAY.	DATE.
Edward Tillford	Laborer	$2 00	June 6
William Ferguson	"	2 00	" 6
Talmon Cargill	"	2 00	" 6
Henry Robertson	"	2 00	" 6
James Gillon	"	2 00	" 6
Frank Capron	"	2 00	" 6
Martin Lundy	"	2 00	" 6
John Hitt	"	2 00	" 6
R. F. White	Teamster, with team	4 00	" 6

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in temporarily employing **Angelo Fleming as** Laborer, on June 9, 1893, for sanitary work at the New Croton Dam, be and hereby **is approved.**

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in discharging **Michael Farrell, employed as** Laborer on sanitary work at the New Croton Dam, on June 8, 1893, be and hereby is appróved.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in employing **Samuel Hopkins as Journeyman** Machinist on June 6, 1893, at three dollars per day, be and is hereby approved.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in temporarily employing **Tunis Mead, with** team, on June 10, 1893, at $4 per day, for sanitary work at Reservoir "D," be and hereby is approved.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in discharging the following persons, on June 13, 1893, be and hereby is approved ;

Patrick O'Brien, Carpenter.
Lanson Ferguson, Bricklayer.
Joseph Bailey, Bricklayer.
Frank Cree, Laborer.
David Kipp, Laborer.
Joseph O'Laughlin, Laborer.
James Ward, Laborer.
James Fitzpatrick, Laborer.
Emory Ferguson, Laborer.
William Penhall, Laborer.
Erastus Knapp, Laborer.
Howard Buckley, Laborer.
Sherman Adams, Laborer.
James Lavarry, Laborer.
James Braidon, Laborer.
Michael Woods, Laborer.
Charles Mulvaney, Laborer.
Jacob Gessman, Laborer.
John Bachman, Laborer.
William Wright, Laborer.
William Ferguson, Laborer.
Talmon Cargill, Laborer.
Henry Robertson, Laborer.
James Gillon, Laborer.
Frank Capron, Laborer.
John Hitt, Laborer.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, Henry Bailey, Laborer on sanitary work at the New Croton Dam, be and hereby is appointed Foreman, at $2.50 per day, in place of W. J. Sager, resigned, to date from June 13, 1893.

On motion of Commissioner Tucker, the same was adopted.

The Committee also presented the following communication, received from the Chief Engineer :

NEW YORK, June 14, 1893.

To the Honorable the Committee on Construction :

GENTLEMEN—After removing the buildings occupied by David R. Paige & Co., at Bog Brook Dam, a gap is left in the fence-wall which must be reconstructed. The wall is about one hundred and seventy-five feet long.

I asked prices from three residents, as follows :

John McGrath, 67 cents per linear foot.

Otis Owens, 80 cents per linear foot.

Michael Flynn, 80 cents per linear foot.

Mr. McGrath's bid is very reasonable, and as he is reported to be a good worker, I ordered him to do the work.

I am, respectfully,

A. FTELEY, Chief Engineer.

—and recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer, in ordering John McGrath to do the work required for the reconstruction of the fence-wall on land heretofore occupied by David R. Paige & Co., contractors, at the Bog Brook Dam, at his bid of sixty-seven cents per linear foot, be and hereby is approved.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, Axeman F. J. Titus be and hereby is discharged from the service of the Aqueduct Commissioners, the same to take effect June 16, 1893.

On motion of Commissioner Tucker, the same was adopted.

The Comptroller, under date of May 31, 1893, gave notice of the issue of warrants for the payment of vouchers, not certified to by the Aqueduct Commissioners, as follows :

Cornell Dam	$529 00
Reservoir	85 60
Manhattan Island Section—Additional Lands	357 00
New York Section	1,317 00
Reservoir "M"	252 00

—and stating that on May 1, 1893, bonds were issued to the amount of $250,000, and that there now remained a balance to the credit of "Additional Water Fund" of $345,121.51.

Which was ordered entered upon the books of the Commission and filed.

On motion of Commissioner Tucker, the minutes of stated meeting of May 31, 1893, were ordered approved.

The Commissioners then adjourned.

J. C. LULLEY, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, June 21, 1893, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Scott and Cannon.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 8840 to 8849, inclusive, amounting to $242.32 ; also of judgments contained in Vouchers Nos. 8850 and 8851, amounting to $627.25.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Construction or Executive Committee presented the resignation of D. McRae Livingstone, Rodman, and recommended that the same be accepted, to take effect as of May 8, 1893.

On motion of Commissioner Cannon, the recommendation was approved.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in temporarily employing the following persons for sanitary work in the Croton watershed, at the rates and upon the dates hereinafter mentioned, be and hereby is approved :

NAME.	RANK.	RATE PER DAY.	DATE.
Michael Evans	Laborer	$2 00	June 19
Robert Hoyt	"	2 00	" 16
James Healey	"	2 00	" 13
William Gilmore	Teamster, with team	4 00	" 13

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in discharging the following persons, on the dates hereinafter named, be and hereby is approved :

William Ganung, Laborer, June 17.

Jackson Adams, Laborer, June 17.

Angelo Fleming, Laborer, June 15.

Tunis Mead, Teamster, with team, June 12.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of George Juengst & Sons, for materials and labor furnished in making good defective gates at the Brewster dams, and for additions to the gate machinery at Bog Brook and Sodom Dams, amounting to one hundred and ten dollars and seventy-five cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Scott, the same was adopted.

The Committee also presented the following communication, received from the Chief Engineer :

NEW YORK, June 21, 1893.

To the Honorable the Committee on Construction :

GENTLEMEN—In accordance with your request in the matter of the bids to be obtained for the construction of an office building at the New Croton Dam, I have sent plans and specifications to seven (7) different parties, as follows :

John Walsh, of New York.
C. W. Palmer, of Yonkers.
S. F. Quick, of Yonkers.
Mee & Mackay, of Yonkers.
John Schlachter, of Hastings.
John Smith, of Sing Sing.
A. B. Murray, of Sing Sing.

Mr. Quick wrote that he was too much occupied to attend to this matter, and Messrs. Walsh and Palmer did not send in any bid.

The bids received are four (4) in number as follows :

1. A. B. Murray, Sing Sing	$4,374 00
2. John Schlachter, Hastings	4,650 00
3. John Smith, Sing Sing	4,800 00
4. Mee & Mackay, Yonkers	6,400 00

My estimate for the work was $4,500.

I am, respectfully,

A. FTELEY, Chief Engineer.

—and recommended the adoption of the following resolution :

Resolved, That the work of constructing an office building at the New Croton Dam be and hereby is awarded to A. B. Murray at his bid of $4,374, it being the lowest received and less than the estimate of the Chief Engineer, and the Chief Engineer is hereby directed to prepare a contract

and specification for the same, and an appropriation of said amount is hereby made to cover the cost thereof.

The same was adopted by the following vote:

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, Edward E. De Lancey be and hereby is recommended to the Civil Service Commission for examination for promotion from the grade of Leveler to Transitman in the Engineer Corps of the Aqueduct Commissioners.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That the resolution adopted on the 14th instant, discharging Axeman F. J. Titus from the service of the Aqueduct Commissioners, the same to take effect June 16, 1893, be and hereby is rescinded; and his resignation, herewith presented, is hereby accepted, to take effect as of the last mentioned date.

On motion of Commissioner Cannon, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, the following bills be and hereby are approved and ordered certified to the Comptroller for payment:

1st. Two bills of S. J. Purdy for use of horse and harness for hauling tools and materials to abate nuisances in the vicinity of Croton Dam, amounting to thirty-five dollars and sixty-two cents.

2d. Two bills of H. S. Bailey for use of horse and wagon for hauling tools and materials to abate nuisances in the vicinity of Croton Dam, amounting to sixty dollars.

3d. Bill of I. Terwilliger for lumber and cartage on same to be used in abating nuisances near Croton Dam, amounting to eighteen dollars and seventy cents.

4th. Bill of Sing Sing Lime Company for lime used in abating nuisances near Croton Dam, amounting to nineteen dollars.

5th. Bill of J. Van Scoy for removal of manure near Brewster Dams, amounting to twenty-five dollars.

6th. Bill of Seth Hoyt for cleaning seven privy vaults, amounting to thirty-five dollars.

7th, Bill of Horne & McClelland for use of derrick and for labor in removing shaft cover at Shaft 25 and stop-planks at Shaft 26, of the new Aqueduct, amounting to seventeen dollars.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, Thomas J. McNamara, Axeman, be and hereby is recommended to the Civil Service Commission for examination to the first grade of clerkship under the Civil Service rules.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the bid-box be closed and the keys given to the President, and that the Secretary be authorized by this Commission to receive the bids for cutting timber and clearing grounds of Reservoir "M," near Purdy's Station, in the Town of North Salem, Westchester County, New York, as called for in the approved forms of contract and specifications on file in the office of the Aqueduct Commissioners, and also to receive the checks of the bidders, and to make the necessary preparations for opening the bids received for doing said work under the law.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following preamble and resolution :

Whereas, The Counsel to the Corporation has transmitted to the Aqueduct Commissioners, with his approval, a transcript of judgment in an action entitled John Murphy vs. The Mayor, Aldermen and Commonalty of the City of New York, for the sum of four hundred and twenty dollars; therefore

Resolved, That a voucher be and hereby is ordered drawn in favor of John Murphy for the sum of four hundred and twenty dollars, being amount of judgment rendered in favor of said Murphy for salary due him while employed as an Inspector of Masonry on the New Aqueduct, and certified to the Comptroller for payment.

The same was adopted by the following vote :

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also recommended the adoption of the following preamble and resolution :

Whereas, The Counsel to the Corporation has transmitted to the Aqueduct Commissioners, with his approval, a transcript of judgment in an action entitled Julia F. Slavin, as Administratrix, etc., of Thomas H. Slavin, deceased, vs. The Mayor, Aldermen and Commonalty of the City of New York for the sum of two hundred and seven dollars and twenty-five cents ; therefore

Resolved, That a voucher be and hereby is ordered drawn in favor of Julia F. Slavin, as Administratrix, etc., of Thomas H. Slavin, deceased, for the sum of two hundred and seven dollars and twenty-five cents, being amount of judgment rendered in favor of said Julia F. Slavin, as Administratrix, etc., of Thomas H. Slavin, deceased, while employed as an Inspector of Masonry on the New Aqueduct, and certified to the Comptroller for payment.

The same was adopted by the following vote :

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Commissioners then adjourned.

J. C. LULLEY, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, June 28, 1893, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Scott and Cannon.

In pursuance to the following notice, published daily for fifteen consecutive days, commencing with June 9, 1893, in the CITY RECORD, "New York Herald" and "New York Tribune," bids were received for cutting timber and clearing grounds of Reservoir "M," near Purdy's Station, in the Town of North Salem, Westchester County, New York, as follows:

AQUEDUCT COMMISSIONERS' OFFICE,
ROOM 209 STEWART BUILDING, No. 280 BROADWAY,
NEW YORK, June 9, 1893.

To Contractors.

Bids or proposals for doing the work and furnishing the materials called for in the approved form of contract now on file in the office of the Aqueduct Commissioners for Cutting Timber and Clearing Grounds on Titicus river, for Reservoir "M," near Purdy's Station, in the Town of North Salem, Westchester County, New York, will be received at this office until Wednesday, June 28, 1893, at 3 o'clock P. M., at which place and hour they will be publicly opened by the Aqueduct Commisioners, and the award of the contract for doing said work and furnishing said materials will be made by said Commissioners as soon thereafter as practicable.

Blank forms of said approved contract and the specifications thereof, and bids or proposals, and proper envelopes for their inclosure, and form of bonds, and all other information, can be obtained at the above office of the Aqueduct Commissioners on application to the Secretary.

By order of the Aqueduct Commissioners.

JAMES C. DUANE, President.

J. C. LULLEY, Secretary.

1.	William Gilmore	$4,126 00
2.	John L. Merritt	3,448 00
3.	Arthur Brady & Thaddeus K. Green	6,969 00
4.	B. R. Guion and J. L. Ullo	7,000 00

Whereupon, on motion of Commissioner Cannon, the following preamble and resolution was adopted:

Whereas, Bids for cutting timber and clearing grounds of Reservoir "M," near Purdy's Station, in the Town of North Salem, Westchester County, New York, having been received and publicly opened and read, therefore

Resolved, That said bids are hereby referred to the Construction or Executive Committee of the Aqueduct Commissioners for consideration and canvassing by them, and the bids and checks of the bidders so received are hereby referred to the Committee of Finance and Audit for examination and report to the Commissioners as to their formality and the sufficiency of the sureties proposed by the bidders.

On motion of Commissioner Scott, a recess of half an hour was then taken.

Upon resuming the meeting there were present :

Commissioners Duane, Tucker, Scott and Cannon.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 8855 to 8868, inclusive, amounting to $722.01.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Committee also presented the following :

The Committee of Finance and Audit report—

That they have examined the bids and checks received June 28, 1893, for cutting timber and clearing grounds of Reservoir "M," near Purdy's Station, in the Town of North Salem, Westchester County, New York.

The checks, amounting to four thousand dollars ($4,000) were correct, and will be transmitted to the Comptroller and his receipt placed on file.

The bids were found correct as to their formality, and the sureties proposed appear to be sufficient.

On motion of Commissioner Cannon, the same was approved.

The Construction or Executive Committee recommended the adoption of the following preambles and resolutions :

Whereas, On the 21st day of June, 1893, Peter J. Moran, contractor for constructing highways or roads and their appurtenances at Reservoir "D," in the Town of Carmel, Putnam County, New York, in a written communication addressed to the Aqueduct Commissioners, requested their consent to the assignment of said contract to John Flanagan, of the City of New York, and the Chief Engineer of the Aqueduct Commissioners having reported in favor of said assignment ; and

Whereas, The said Peter J. Moran has executed to said John Flanagan an assignment of said contract duly executed under seal ; and

Whereas, Anton Liebler and Adolph Hohle, the sureties on the bond of said Peter J. Moran under said contract, have consented to said assignment by an agreement under seal, which said assignment and agreement are filed with this Board; therefore

Resolved, That the Aqueduct Commissioners hereby assent and consent to the assignment of the work of constructing highways or roads and their appurtenances at Reservoir "D," in the Town of Carmel, Putnam County, New York, to said John Flanagan, and also assent and consent to the assignment of the moneys that now are or hereafter may become lawfully payable under said contract and agreement by the said Peter J. Moran to the said John Flanagan.

Resolved, That a copy of these preambles and resolutions be indorsed upon the several contracts above referred to and certified by the President and Secretary of the Aqueduct Commissioners.

The same were adopted by the following vote:

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also recommended the adoption of the following preamble and resolution:

Whereas, The Chief Engineer of this Commission has certified in writing, under date of June 28, 1893, that John E. Brooks has completely performed and carried out the provisions of the contract made by him with this Commission on the 4th day of November, 1892, for fencing the boundary of the East Branch Reservoir, north of Milltown Bridge, in the Town of South East, Putnam County, New York, and has stated from actual measurements the whole amount of work done and materials furnished under and according to the terms of said contract, and of the true value thereof; therefore

Resolved, That the Aqueduct Commissioners do accept the work done and materials furnished by John E. Brooks, under the contract above referred to, and direct that a proper voucher for the final payment for work done and materials furnished under said agreement be approved by the Aqueduct Commissioners and certified to the Comptroller for payment.

The same was adopted by the following vote:

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also recommended the adoption of the following resolution:

Resolved, That the action of the Chief Engineer, in assigning Superintendent of Dam Construction Patrick Daly to duty under Division Engineer Craven, at Carmel, N. Y., on June 22, 1893, be and hereby is approved.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That the action of the Chief Engineer, in temporarily employing Samuel Rooney and John Whelan as Laborers on sanitary work in the Titicus basin on June 20 and 21, 1893, respectively, at two dollars per day, be and hereby is approved.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer, in temporarily employing George Clark as Laborer with the engineering party at Katonah, New York, at two dollars per day, said employment to date from June 20, 1893, be and hereby is approved.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer, in discharging the persons named below, as reported to the Commissioners in his communication under date of June 28, 1893, be and hereby is approved :

	Rate per day.
Timothy Moriarty, Bricklayer	$3 50
John Fay, Carpenter	2 50
John Bohen, Laborer	2 00
James Kierce, Laborer	2 00
William Quinn, Laborer	2 00
Frank Hobby, Laborer	2 00
John Walen, Laborer	2 00
Martin Lundy, Laborer	2 00
Edward Tillford, Laborer	2 00
Samuel Rooney, Laborer	2 00
William Cream, Laborer	2 00
Michael Evans, Laborer	2 00
Thomas Curley, Driver and team	4 00
Oscar Miersch, Driver and team	4 00
R. F. White, Driver and team	4 00

On motion of Commissioner Tucker, the same was adopted.

The Committee also presented the following communications, received from the Chief Engineer :

NEW YORK, June 26, 1893.

To the Honorable the Committee on Construction :

GENTLEMEN—Mr. A. B. Murray, of Sing Sing, to whom you awarded the contract for the office building at the New Croton Dam, called here to-day to sign his papers, but, to my surprise, he made to me the positive statement that the work could not be completed on September 15. To my question as to why he had given us a bid when the date of completion was fully mentioned in the specifications which had been sent to him, he answered that he had bid with the expectation that an extension would be given to him.

As no check was given by the bidders to secure the execution of the contract, and in view of the necessity of erecting the building as soon as possible, I would respectfully ask whether it would

be possible for the Commissioners to reconsider their action and to award the contract to another bidder who could agree to finish the building at the time mentioned in the contract.

I am, respectfully,

A. FTELEY, Chief Engineer.

P. S.—Since writing the above I have had an interview with Mr. John Schlachter, the next lowest bidder to Mr. Murray, who I believe is well equipped to drive the work to completion and who seems to present all guarantees of success. In view of the necessity of commencing the work at once, I would respectfully recommend that you reconsider your resolution and award the contract to Mr. John Schlachter, of Hastings, at his bid of $4,650.

A. F.

NEW YORK, June 28, 1893.

To the Honorable the Committee on Construction:

GENTLEMEN—In addition to my communication of even date in regard to the contract for the office building, I will state that Mr. Murray, in conversation with me, stated that in sending his bid he had the expectation that an extension of time would be granted to him, and he declined to sign the agreement which contains a clause to the effect that five dollars per day will be deducted from the moneys due to the contractor for each day's delay in the completion of the work after September 15, 1893.

I am, respectfully,

A. FTELEY, Chief Engineer.

—and recommended the adoption of the following preamble and resolution:

Whereas, The Chief Engineer of this Commission has advised us that A. B. Murray, to whom, on June 21, 1893, was awarded the work of constructing an office building at the New Croton Dam at his bid of $4,374, has declined to execute the contract for doing said work; therefore

Resolved, That the resolution adopted on June 21; 1893, awarding such work to said Murray be and hereby is rescinded, and the work is hereby awarded to John Schlachter, at his bid of $4,650, he being the next lowest bidder.

The same was adopted by the following vote:

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also presented the following communication received from the Chief Engineer:

NEW YORK, June 28, 1893.

To the Honorable the Committee on Construction:

GENTLEMEN—For the work of cutting timber and clearing grounds of Reservoir "M," bids for which are to be opened to-day, my estimate is five thousand ($5,000) dollars.

I am, respectfully,

A. FTELEY, Chief Engineer.

On motion of Commissioner Scott, the same was ordered filed.

The Committee also recommended the adoption of the following resolution:

Resolved, That the contract for cutting timber and clearing grounds of Reservoir "M," in the Town of North Salem, Westchester County, New York, be and hereby is awarded to John L. Merri

at his bid of $3,448, it being the lowest bid received and less than the estimate of the Chief Engineer.

The same was adopted by the following vote :

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

Commissioner Scott then moved that when the Commissioners adjourn they adjourn to meet on Thursday, July 6, 1893, at 3 o'clock P. M. Carried.

The Commissioners then adjourned.

J. C. LULLEY, Secretary.

AQUEDUCT COMMISSION.

Minutes of Adjourned Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Thursday, July 6, 1893, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Scott and Cannon.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 8873 to 8887, inclusive, amounting to $733.28, and of judgment contained in Voucher No. 8888, amounting to $290.30; also of estimates contained in Vouchers Nos. 8889 to 8891, inclusive, amounting to $19,603.66.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Construction or Executive Committee recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of the Westchester Telephone Company, for use of telephones by the Aqueduct Commissioners, amounting to seven hundred and ninety dollars and twenty cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of Alfred Foster, for removing privy near Brewster, N. Y., amounting to ten dollars, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of Harry James, Journeyman Machinist, for board at Brewster, N. Y., in connection with mechanics' work performed by him at the Bog Brook and Sodom Dam, amounting to thirty dollars and four cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in dispensing with the services of the following persons, on the dates hereinafter named, be and hereby is approved :

William A. Barrett, Foreman, June 27.

Philander Sutton, Laborer, June 27.

Stephen Sutton, Laborer, June 22.

James McDonald, Laborer, June 26.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in assigning Philander Sutton to temporary work as Laborer on the Engineer Corps at Carmel, N. Y., on July 5, 1893, at two dollars per day, be and hereby is approved.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended the adoption of the following preamble and resolution :

Whereas, The Counsel to the Corporation has transmitted to the Aqueduct Commissioners, with his approval, a transcript of judgment in an action entitled Francis W. Mahon vs. The Mayor, Aldermen and Commonalty of the City of New York, for the sum of two hundred and ninety dollars and thirty cents ; therefore

Resolved, That a voucher be and hereby is ordered drawn in favor of Francis W. Mahon for the sum of two hundred and ninety dollars and thirty cents, being amount of judgment rendered in favor of said Mahon for salary due him while employed as an Inspector of Masonry on the New Aqueduct, and certified to the Comptroller for payment.

On motion of Commissioner Scott, the same was adopted.

On motion of Commissioner Tucker, the minutes of meetings of June 7, 14 and 21, 1893, were ordered approved.

The Commissioners then adjourned.

J. C. LULLEY, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their Office, No. 209 Stewart Building, on Wednesday, July 12, 1893, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Scott and Cannon.

The Committee of Finance and Audit reported their examination and audit of estimates contained in Vouchers Nos. 8892 to 8897, inclusive, amounting to $52,046.95 ; and of bills contained in Vouchers Nos. 8898 to 8905, inclusive, amounting to $1,215.98.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Construction or Executive Committee recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in temporarily employing William Pennell as Laborer for work in abating nuisances at Katonah, N. Y., on July 4, 1893, at $2 per day, be and hereby is approved.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in temporarily employing the following persons on the dates hereinafter named, for work on the Upper District of the New Aqueduct, be and hereby is approved.

James McCartney, Mason, $4 per day, engaged July 5.
Bert Willsea, Laborer, $2 per day, from July 5.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the resolution adopted on June 28, 1893, approving of the action of the Chief Engineer in temporarily employing George Clark as Laborer with the engineering party at Katonah,

N. Y., at two dollars per day, said employment to date from June 20, 1893, be and hereby is amended to read "Charles Clark" instead of "George Clark."

On motion of Commissioner Tucker, the same was adopted.

The Committee also presented the following communication, received from the Chief Engineer:

NEW YORK, July 12, 1893.

To the Honorable the Committee on Construction:

GENTLEMEN—On November 16, 1892, I presented to you five bids for the construction of a bridge across Sawmill river, near Shaft 12; the bids then presented were $975, $1,028.75, $1,141, $1,189.50 and $1,218 respectively; the Engineer's estimate being $900.

Owing to the lateness of the season, you postponed further consideration of the work until this year. I had some difficulty in obtaining bids, but I am now able to submit the following tenders:

Names of Bidders.	Amounts Bid.
1. F. R. Meres	$946 25
2. Daniel Carpenter	875 00
3. Thomas McCormick	1,180 00
4. Hugh Reilly	1,222 50
5. William Nolan	1,225 00

Mr. Carpenter, the lowest bidder, is an industrious man who has done work for us, and I recommend that the contract be given to him.

I am, respectfully,

A. FTELEY, Chief Engineer.

—and recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, the work of constructing a bridge across the Sawmill river, near Shaft No. 12 of the New Aqueduct, be and hereby is awarded to Daniel Carpenter at his bid of eight hundred and seventy-five dollars, it being the lowest bid received and less than the estimate of the Chief Engineer.

The same was adopted by the following vote:

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also presented the following communication, received from the Board of Estimate and Apportionment, and recommended that the same be spread on the minutes and filed:

BOARD OF ESTIMATE AND APPORTIONMENT,
CITY OF NEW YORK.

Resolved, That the Comptroller be and hereby is authorized to pay the sum of four hundred and fifty dollars to John R. Yale for one and six hundred and seventy-three one-thousandths acres of land situated in Brewster, Putnam County, N. Y., known as Parcel No. 15 A on map herewith, upon the proper vouchers of the Aqueduct Commission.

Resolved, That the Comptroller be and hereby is authorized to pay the sum of fifty dollars ($50) to Martha M. Crosby for two parcels of land in Brewster, Putnam County, N. Y., known by the Parcels Nos. 63½ and 63¾ on the map herewith, containing together thirty-five one-thousandths of 1 acre, upon the proper vouchers of the Aqueduct Commissioners.

A true copy of resolutions adopted by the Board of Estimate and Apportionment June 19, 1893.

CHAS. V. ADEE, Clerk.

On motion of Commissioner Scott, the recommendation was approved.

The Secretary gave notice of the filing of a lien by Homer B. Chase and Amand Busse against John Leonard, contractor, amounting to $200.

Which was ordered filed.

On motion of Commissioner Scott, the minutes of meeting of June 28, 1893, were ordered approved.

The Commissioners then adjourned.

J. C. LULLEY, Secretary.

AQUEDUCT COMMISSION.

NOTE.—On Wednesday, July 19, 1893, no quorum being present, the meeting stood adjourned.

J. C. LULLEY, Secretary.

NOTE.—On Wednesday, July 26, 1893, no quorum being present, the meeting stood adjourned.

J. C. LULLEY, Secretary.

Minutes of Special Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Thursday, August 3, 1893, at 3.15 o'clock P. M.

Present—Commissioners Duane, Tucker, Scott and Cannon.

The Construction or Executive Committee recommended the adoption of the following resolution :

Resolved, That during the temporary absence of the Chief Engineer, the President of the Aqueduct Commissioners be and hereby is authorized to act as Chief Engineer.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in discharging the following men, on the dates hereinafter named, be and hereby is approved :

Eugene Wilson, Laborer, July 11, 1893.

John Lounsberry, Laborer, July 5, 1893.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in temporarily employing J. T. Tubbs and William Tryon as Laborers, from July 12, 1893, for work on the Brewsters Dams, at two dollars per day, be and hereby is approved.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in temporarily employing the following men for work in the abatement of nuisances on the Croton River Division of the New Aqueduct, on the dates hereinafter named, be and hereby is approved :

John Fay, Carpenter, $2.50 per day, July 11, 1893.

William H. Miller, Carpenter, $2.50 per day, July 11, 1893.

L. Ferris, Teamster, with team, $4 per day, July 11, 1893.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in temporarily employing the following persons, on the dates hereinafter named, for work at the New Croton Gate House, be and hereby is approved :

Charles McGrath, Foreman, $4 per day, July 21, 1893.

Philip Kurkenmeister, Laborer, $2 per day, July 21, 1893.

John B. Carpenter, Laborer, $2 per day, July 22, 1893.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in temporarily employing John Gill and James Keldore as Laborers, at two dollars per day, for work on the lower district of the New Aqueduct, on July 25 and 26, respectively, be and hereby is approved.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in temporarily employing William Carroll, as Laborer, at two dollars per day, on July 31, 1893, for work at Shaft No. 25, of the New Aqueduct, be and hereby is approved.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in temporarily employing Henry Smith, as Teamster, with team, on July 31, 1893, at four dollars per day, for sanitary work at Purdy's Station, N. Y., be and hereby is approved.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in temporarily employing William Strang, as Laborer, at two dollars per day, on July 25, 1893, for work at the New Croton Gate House, be and hereby is approved.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of Division Engineer, Charles S. Gowen, in discharging for cause R. Tompkins and W. A. Tompkins, heretofore employed as laborers, on July 29, 1893, as reported by the Chief Engineer, be and hereby is approved.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That upon the recommendation of the Chief Engineer, Ira Ganong, employed as Chainman under Division Engineer Gowen, be and hereby is discharged from the service of the Aqueduct Commissioners, for being absent from duty without leave.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in discharging the following persons, on the dates hereinafter named, be and hereby is approved :

Charles Robertson, Foreman Mason, July 22, 1893.
James Ford, Laborer, July 22, 1893.
Frank Rogers, Laborer, July 22, 1893.
William Pennell, Laborer, July 22, 1893.
L. Ferris, Teamster, with team, July 15, 1893.
William H. Miller, Carpenter, July 15, 1893.
John Fay, Carpenter, July 15, 1893.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That upon the recommendation of the Chief Engineer, the Aqueduct Commissioners hereby grant to David R. Paige & Co., contractors, an extension of time to September 1, 1893, in which to complete their contract for building Dams Nos. 1 and 2 on Bog Brook and adjacent tunnel in connection with the East Branch Reservoir.

The same was adopted by the following vote :

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also presented the following :

The Construction or Executive Committee report :

That they have been notified by Luther L. Kellogg, Esq., of the assignment to him by David R. Paige & Co., of all moneys due or to become due under a certain contract made with the Mayor, Aldermen and Commonalty of the City of New York on the 12th day of January, 1889, for building Dams Nos. 1 and 2 on Bog Brook and adjacent tunnel in connection with the East Branch Reservoir ; and said Kellogg having requested the Aqueduct Commissioners to assent to said assignment,

and inasmuch as the contract for doing said work provides that the contractors shall not assign, by power of attorney or otherwise, unless by and with the consent of the Aqueduct Commissioners; and your Committee being satisfied that it will be to the best interests of the work and beneficial to the City of New York that said consent be given, we recommend the adoption of the following resolutions:

Resolved, That the Aqueduct Commissioners hereby assent and consent to the assigning of the moneys due or that may become due to David R. Paige & Co., under and in pursuance of a certain contract bearing date 12th of January, 1889, for building Dams Nos. 1 and 2 on Bog Brook and adjacent tunnel, in connection with the East Branch Reservoir of the New Aqueduct, to Luther L. Kellogg of the City of New York.

Resolved, That a copy of these resolutions be indorsed upon the contract above referred to and certified by the President and Secretary of the Aqueduct Commissioners.

The same were adopted by the following vote:

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also presented the following communication received from the Chief Engineer:

NEW YORK, July 19, 1893.

To the Honorable the Committee on Construction:

GENTLEMEN—I have procured from two firms at Brewster bids for the furnishing and placing of copper leaders and scuttle covers for the gate-houses of the Brewster dams, viz.:

W. E. Smith & Co	$96 00
Smith Brothers & Co	128 00

As the price of the lowest bidder is reasonable, I have, with the approval of the President, ordered the work from W. E. Smith & Co.

I am, respectfully,

A. FTELEY, Chief Engineer.

—and recommended the adoption of the following resolution:

Resolved, That the action of the Chief Engineer in ordering W. E. Smith & Co. to do the work required for furnishing and placing copper leaders and scuttle covers for the gate-houses of the Brewster dams, at their bid of ninety-six dollars, be and hereby is approved, and an appropriation of said amount is hereby made to cover the cost thereof.

The same was adopted by the following vote:

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also recommended the adoption of the following resolution:

Resolved, That upon the recommendation of the Chief Engineer, the accompanying bill of G. N. Clements, for photographs of various buildings near the New Croton Dam, where nuisances have been abated, amounting to thirty dollars, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That upon the recommendation of the Chief Engineer, the accompanying bill of C. H. Stevens, for carriage hire for survey party in the Croton Valley, amounting to ten dollars, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That upon the recommendation of the Chief Engineer, the accompanying bill of Stephen Brown, for moving a boat and furniture at the New Croton Dam, amounting to twelve dollars and fifty cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That upon the recommendation of the Chief Engineer, the accompanying bill of Sherman & Co., for moving four safes, from Yonkers, N. Y., to the Stewart Building, New York City, amounting to ninety-five dollars, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That upon the recommendation of the Chief Engineer, the accompanying bill of B. S. Palmer, for two shovels for use in the abatement of nuisances, amounting to one dollar and twenty cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of Perry Rogers, for labor performed in the abatement of nuisances in the Croton valley, amounting to one hundred and forty-one dollars and forty cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of Stephen Brown, for work required hauling lime for the abatement of nuisances in the Croton valley, amounting to thirteen dollars and seventy-five cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bills of A. B. Whitlock & Co., for brick, cement, lumber, nails, etc., and cartage of same, amounting to

one hundred and seventy-five dollars and forty cents, are hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompaning bills of Charles Robertson, for moving privy and for use of horse and wagon for hauling sand, dirt and water, amounting to fifty-three dollars and fifty cents, are hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bills of Kellogg & Elliott for brick, cement, lumber, tile drain pipe, cartage of same, and conveyance of masons to and from Cross river, amounting to two hundred and eighty-five dollars and fourteen cents, are hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That upon the recommendation of the Chief Engineer, the accompanying bills of Teed & Hunt for brick, cement and sand, required for the abatement of nuisances in the Croton Valley, amounting to seventy-two dollars and thirty-eight cents, are hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That upon the recommendation of the Chief Engineer, the accompanying bill of David Travis, for cleaning privy vaults and for labor and use of team, amounting to eighty-five dollars, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That upon the recommendation of the Chief Engineer, the accompanying bill of James McGuinness, for freight paid on iron beams and hauling same from High Bridge to gate house, at Shaft No. 25 of the New Aqueduct, amounting to ten dollars and ninety-eight cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That upon the recommendation of the Chief Engineer, the accompanying bill of R. A. Hale for rating water meter, amounting to sixteen dollars and forty-five cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That upon the recommendation of the Chief Engineer, the accompanying bill of N. W. Jaycox, for door and window screens and hook and eyes for the Engineer's office, at Katonah, N. Y., amounting to twenty-five dollars and eighty cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the following resolution, adopted on March 22, 1893, be and hereby is rescinded :

" Resolved, That the accompanying bills for taxes due the Town of Yorktown, N. Y., for the year 1892, for the following amounts, are hereby approved and ordered certified to the Comptroller for payment, viz. : One dollar and thirty-two cents, one dollar and thirty-two cents, twenty-one dollars, eighteen dollars and thirty-eight cents, four dollars and seventy-three cents, six dollars and thirty cents, two dollars and sixty-three cents, five dollars and seventy-eight cents, five dollars and twenty-five cents and one hundred and fifty-eight dollars and fifty-five cents. "

—and, in lieu thereof, recommended the adoption of the following :

Resolved, That the accompanying bills for taxes due the Town of Yorktown, N. Y., for the year 1892, for the following amounts, are hereby approved and ordered certified to the Comptroller for payment, viz. : One dollar and thirty-two cents, one dollar and thirty-two cents, twenty-one dollars, eighteen dollars and thirty-eight cents, four dollars and seventy-three cents, six dollars and thirty cents, two dollars and sixty-three cents, five dollars and seventy-eight cents and five dollars and twenty-five cents.

The same was adopted by the following vote :

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also presented final plan sheet, described as " Exhibit No. 7 of 1893," submitted by the Commissioner of Public Works on August 3, 1893, showing certain additional parcels of land required for the construction of the New Croton Dam (Cornell site), in the Town of Courtlandt, Westchester County, New York, and recommended the adoption of the following resolution :

Resolved, That for the more efficient carrying out of the provisions of chapter 490 of the Laws of 1883 of the State of New York, and the acts amendatory thereof, we, the Aqueduct Commissioners, do hereby approve and adopt the aforesaid final plan sheet showing certain additional parcels of land required for the construction of the New Croton Dam (Cornell site), in the Town of Courtlandt, Westchester County, New York, and direct that the same be duly certified and filed in this office, and designated " Final Plan Sheet No. 7 of 1893 " ; and that a copy thereof be certified and transmitted to the Commissioner of Public Works for filing in his office, as required by section 2 of the aforesaid act ; and the Commissioner of Public Works is hereby requested to submit six similar property maps, showing the additional lands to be acquired for the construction of said dam.

The same was adopted by the following vote :

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also recommended the adoption of the following preambles and resolutions :

Whereas, The Aqueduct Commissioners, by changing a road or highway which formerly ran in front of land owned by Edward C. Barnum, adjacent to lands taken for the construction of Sodom Dam and Reservoir, shown on the accompanying map, and marked " Parcel 22," cut off all access thereto ; and

Whereas, The said Edward C. Barnum, through his attorney, Frederick E. Barnard, having agreed to accept the sum of six hundred dollars and execute a release of all claims for damages sustained by him by the changing of such road ; and the Chief Engineer of this Commission having reported that it would be advisable to accept such proposition ; now, therefore, be it

Resolved, That the Aqueduct Commissioners (subject to the approval of the Board of Estimate and Apportionment) hereby approves and accepts the aforesaid offer and proposition of Edward C. Barnum, and agrees to pay him the said sum of six hundred dollars for damages sustained by him, provided he makes and executes a full release of all of his said claims, satisfactory in form to the Counsel to the Corporation.

Resolved, That this resolution be referred to the Board of Estimate and Apportionment for approval, and that there be transmitted to said Board therewith the accompanying map or survey, and the letter of the Chief Engineer approving said settlement.

The same were adopted by the following vote :

Affirmative—Commissioners Duane, Tucker, Scott and Cannon--4.

The Committee also recommended the adoption of the following preamble and resolution :

Whereas, The Counsel to the Corporation has transmitted to the Aqueduct Commissioners, with his approval, a transcript of judgment in an action entitled James H. Clinch vs. The Mayor, Aldermen and Commonalty of the City of New York for the sum of three hundred and thirty-four dollars and four cents ; therefore

Resolved, That a voucher be and hereby is ordered drawn in favor of James H. Clinch for the sum of three hundred and thirty-four dollars and four cents, being amount of judgment rendered in favor of said Clinch for salary due him while employed as an Inspector of Masonry on the New Aqueduct, and certified to the Comptroller for payment.

The same was adopted by the following vote :

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Secretary gave notice of the filing of two liens by John Beattie against David R. Paige & Co., Contractors, amounting to $6,055.33, and $7,628.60, respectively.

Which were ordered filed.

The Comptroller, under date of June 30, 1893, gave notice of the issue of warrants for the payment of vouchers not certified to by the Aqueduct Commissioners, for

Cornell Dam $489 90

—leaving a balance to the credit of Additional Water Fund, of $271,694.98.

Which was ordered entered upon the books of the Commission and filed.

The Secretary presented an abstract of trial balance, showing the expenditures of the Aqueduct Commission from its inception to June 30, 1893.

On motion of Commissioner Cannon, the same was received and ordered spread in full on the minutes, as follows:

Abstract of Trial Balance, June 30, 1893.

Commissioners' Office.		
Salaries of Commissioners	$234,601 91	
Salaries of Secretary and employees	137,805 25	
Stationery	3,750 54	
Furniture and fixtures	3,353 71	
Rent	39,644 60	
Incidental expenses	6,617 80	
Books, maps and drawings	439 10	
Traveling expenses	1,594 39	
Advertising	29,306 29	
Stenographic reports	4,334 29	
		$461,447 88
Chief Engineer's Office.		
Salaries of Engineers, etc.	$479,603 14	
Stationery	6,633 43	
Furniture and fixtures	4,610 54	
Rent	46,109 15	
Incidental expenses	8,104 34	
Books, maps and drawings	21,265 04	
Consulting Engineer's fees	100 00	
Drawing instruments, tables and materials	4,239 17	
Testing machines and tests	8,211 81	
		578,876 62
Tarrytown Office.		
Salaries of Engineers	$57,692 24	
Stationery	1,180 41	
Furniture and fixtures	750 25	
Rent	6,600 00	
Incidental expenses	4,030 36	
Books, maps and drawings	92 81	
Drawing instruments, tables and materials	1,127 78	
Laborers on the line	2,703 17	
Drivers and Laborers	19,989 03	
Field instruments and implements	8,776 99	
Traveling expenses	4,081 33	

Harness and stable fittings	$2,051 20	
Maintenance—Horses and wagons	11,122 82	
Horses	3,573 00	
Wagons	1,518 00	
Hire of horses and wagons	1,930 00	
		$127,219 39
Division Engineers.		
Salaries of Engineers and Laborers, old account	$154,834 84	
" " new account	1,461,715 58	
Stationery	6,674 94	
Furniture and fixtures	4,862 57	
Rent	25,928 08	
Incidental expenses	13,280 50	
Books, maps and drawings	72 97	
Drawing instruments, tables and materials	3,179 11	
Field instruments and implements	18,240 73	
Traveling expenses	7,499 88	
Harness and stable fittings	2,033 33	
Maintenance—Horses and wagons	16,335 35	
Horses	2,810 00	
Wagons	2,481 00	
Heating headquarters	9,934 67	
Hire of horses and wagons	916 75	
Testing machines and tests	3,029 30	
Laborers on the line	15 75	
Auxiliary offices	3,729 05	
		1,737,574 40
Croton Lake Survey.		
Salaries of Engineers and Laborers	$39,620 04	
Incidental expenses	74 89	
Field instruments and implements	583 16	
Traveling expenses	340 92	
Hire of horses and wagons	130 25	
Maintenance—Horses and wagons	51 60	
Rent	24 00	
Harness and stable fittings	45	
Drawing instruments, tables and materials	1 00	
		40,826 31
New Reservoir Survey.		
Salaries, Engineers and Laborers	$9,588 00	
Drawing instruments, tables and materials	25 68	

Field instruments and implements	$434 31	
Furniture and fixtures	6 38	
Traveling expenses	8 54	
Stationery	3 91	
Incidental expenses	52 06	
		$10,118 88
Sodom Dam Survey.		
Salaries, Engineers and Laborers	$7,072 68	
Maintenance—Horses and wagons	2 00	
Field instruments and implements	86 49	
Hire of horses and wagons	50 75	
Incidental expenses	44 98	
Stationery	1 50	
Traveling expenses	47 10	
		7,305 50
Surveying Dam Sites.		
Salaries of Engineers and Laborers	$34,968 18	
Stationery	33 30	
Hire of horses and wagons	102 00	
Field instruments and implements	103 75	
Heating headquarters	6 93	
Furniture and fixtures	37 50	
Traveling expenses	635 12	
Drawing instruments, tables and materials	7 80	
Incidental expenses	726 08	
Maintenance—Horses and wagons	793 95	
Rent	815 70	
Books, maps and drawings	8 00	
		38,238 31
Principal Assistant Engineer, New York Office.		
Heating headquarters	$9 25	
Stationery	59 06	
Furniture and fixtures	36 24	
Incidental expenses	53 36	
		157 91
Aqueduct Commissioners' Report, 1883-1887	$8,901 51	
Aqueduct Commissioners' Report, 1887-1892	27 38	
Engraving and printing	27,230 39	
Reports of Engineers and Aqueduct Commissioners on Quaker Bridge Dam	1,473 16	
Reports of Engineers on High Masonry Dam	490 75	
Construction damages	689 50	

Claims for damages	$2,438 50	
Taxes on lands	12,953 49	
Land agents	1,168 65	
Diamond rock-boring drills	156,743 04	
Diamond rock borings	7,077 42	
Monumenting the line	3,712 98	
Monumenting Sodom Dam Survey	1,546 72	
Monumenting Aqueduct Tunnel—Division Engineer	143 72	
Models	1,355 43	
Observatory towers	1,805 95	
Judgments	30,105 68	
Land and land damages	60,089 82	
Examination of ventilation and lighting	1,306 36	
Examining Engineers	11,041 82	
Board of Experts, etc., Quaker Bridge Dam	12,550 00	
Experts examining construction work	11,926 16	
Experts on water-gates and other machinery	210 00	
Inspection of cast-iron pipes, etc.	8,414 30	
East Branch Reservoir—Incidental expenses	165 00	
Abating nuisances in the Croton water-shed	4,894 44	
		$368,462 17

Contracts.

SECTION.	ESTIMATE.	CONTRACTOR.	
1	Final.	Smith & Brown	$649,964 62
2	"	Brown, Howard & Co.	2,493,664 38
3	"	"	1,838 247 04
4	"	"	1,807,819 50
5	"	"	812,370 91
6	"	O'Brien & Clark	748,852 97
7	"	"	1,783,419 68
8	"	"	1,457,678 22
9	"	"	1,924,161 07
B	"	Heman Clark	1,516,572 46
A	"	"	1,105,840 58
12	"	Charles Peterson, assignee of O'Brien & Clark	541,923 04
13	"	John Brunton & Co.	427,641 42
14	"	"	647,869 75
15	"	Richard A. Malone	156,358 20

SECTION.	ESTIMATE.	CONTRACTOR.	
15½	Final.	Robert Hanna & Co	$27,416 82
16	"	O'Brien & Clark	1,013,220 54
17	"	Richard J. Malone.	37,621 69
East Branch Reservoir Dam	"	Sullivan, Rider & Dougherty	436,499 05
Dams 1 and 2, and adjacent tunnel	44	David R. Paige & Co	304,496 22
Deepening and finishing Shaft No. 24.	Final.	O'Brien & Clark	91,904 59
Iron-lined masonry Aqueduct near Shaft 30	"	Breuchaud, Pennell & Co	69,369 20
Stop-cock valves, etc., on Section 15	"	Coldwell, Wilcox & Co	19,649 53
Gate-house superstructure, etc., at Pocantico	"	John Peirce	21,717 92
Shaft 13A, Section 7	"	O'Brien & Clark	22,963 40
Shaft 13½, Section 7	"	"	18,093 69
Shaft 15½, Section 7	"	John A. Lee	15,412 90
One Hundred and Thirty-fifth street Gate-house, doors, windows, etc., Section 15	"	Charles W. Palmer	6,935 00
Cast-iron work, wrought-iron work, etc., New Croton Gate-house, Section 1	"	Coldwell, Wilcox & Co	16,057 02
Highways or roads, etc., at East Branch and Bog Brook Reservoirs	"	Clinton Stephens	90,851 69
Gate-house superstructure, walls for Blow-off Chamber at Ardsley, Section 7	"	O'Brien & Clark	4,900 00
Cutting timber and clearing grounds, East Branch and Bog Brook Reservoirs	"	Pennell & O'Hern	8,975 00
22.2' x 5' sluice-gates, etc., Sections 15 and 17	"	John Fox	14,190 00
3' x 4' sluice-gates, etc., Pocantico, Ardsley and South Yonkers Gate-houses, Sections 4, 7 and 9	"	"	6,750 00
3' x 6' sluice-gates, etc., New Croton Gate-house, Section 1	"	"	21,900 00
Earth and masonry dam, Reservoir M, on Titicus river, near Purdy's Station	36	Washburn, Shaler & Washburn	565,674 70
Gate-house superstructure at South Yonkers, Section 9	Final.	O'Brien & Clark	20,349 79
Gate-house superstructure, etc., for new gate chambers at Croton Dam, Section 1	21	Smith, Brown & Coleman	51,783 01
Combined stationary hoisting engines, etc., for Shaft 25, Section 12	Final.	Charles Peterson	11,250 00
Two pairs horizontal tubular boilers, etc., Shaft 25, Section 12	"	West Point Manufacturing Co	11,900 00
Earth and masonry dam, Reservoir D	26	Michael S. Coleman	127,039 74
Earth and masonry dam, Reservoir D	....	Coleman & Washburn & Washburn	1,647 45
Auxiliary earth and masonry dam, near Craft's Station, Reservoir D	....	Michael S. Coleman	57,480 99
Auxiliary earth and masonry dam, near Craft's Station, Reservoir D	....	Coleman & Washburn & Washburn	351 90
Eleven head-house superstructures, etc., for the shafts	Final.	Breuchaud, Pennell & Co	40,251 28
Blow-off Shaft 24, Section A	"	John M. Waddle	1,644 91
" 24, " A		John F. Gaynor, assignee of John M. Waddle	19,557 43
" 24 " A	"	New York Central & Hudson River Railroad Co	491 84

SECTION.	ESTIMATE.	CONTRACTOR.		
Two complete portable hoisting plants	Final.	West Point Manufacturing Co.....	$7,800 00	
Highway, retaining-walls, appurtenances, etc., Croton Dam.....	"	Augustine M. Newton.....	16,717 09	
Highways, &c., Reservoir D.....	1	Peter J. Moran.....	3,083 52	
Grading, improving and fencing grounds, One Hundred and Thirty-fifth street Gate-house..	Final.	"	9,564 77	
Grading, improving and fencing grounds at several of the shafts	13	Hyman Levy and Thos. Quinn.....	18,066 86	
Head-house and engine-room, superstructure, &c., Shaft 25.....	7	John Pierce, assignee of W. H. Baker.	19,427 90	
Two brick engine-houses for the portable hoisting plants.....	Final.	John Twiname.....	9,546 00	
Fencing the boundary of the East Branch Reservoir.....	....	John E. Brooks.....	9,578 25	
New Croton Dam.....	5	James S. Coleman.....	44,935 99	
				$21,209,451 52

Agreements.

	ESTIMATE.	CONTRACTORS.	
Shaft 11C, Section 5.....	Final.	Brown, Howard & Co.....	$5,000 00
" 12C, " 6.....	"	O'Brien & Clark.....	5,000 00
" 16½, " 8.....	"	"	5,000 00
" 17½, " 8.....	"	Thomas O'Hern.....	2,222 12
" 18½, " 9.....	"	O'Brien & Clark.....	5,000 00
" 19½, " B.....	"	Heman Clark.....	5,000 00
Culvert at Shaft 19, Section 9.....	"	O'Brien & Clark.....	4,893 74
" 20, " B.....	"	Heman Clark.....	2,932 05
" 23, " A.....	"	O'Brien & Clark.....	3,208 86
Crib dock, near Shaft 25, Section 12..	"	Charles Peterson	3,694 60
Ironwork—For Saw Mill River blow-off, etc., Section 7	"	Coldwell, Wilcox & Co.....	1,962 57
Ironwork—For Pocantico blow-off, etc., Section 4.....	"	"	144 11
Ironwork—For Tibbett's Brook blow-off, etc., Section 9.	"	"	144 11
Ironwork—For lining Shafts 22 and 23, Section A.....	"	"	3,463 43
Ironwork—For lining Shaft 20, Section B.....	"	"	2,663 28
Ironwork—For lining Shaft 28, Section 13.....	"	"	2 315 02
Ironwork—For lining Shaft 24, Section A.....	"	The McNeil Pipe and Foundry Co....	987 32
Ironwork—For lining Shaft 29, Section 14...	"	Coldwell, Wilcox & Co.....	2,358 57
Cast and wrought iron ladders for shafts, Sections 1 to 9 and B and A	"	"	2,824 25
Roof, iron floor plates, etc., at Ardsley Gate-house, Section 7	"	"	3,326 70
Cast-iron special pipe lining and manhole covers, etc., Shaft 24, Section A.....	"	"	4,931 19
Filling low ground, Shaft Site No. 12, Section 6	"	O'Brien & Clark.....	4,910 00

	ESTIMATE.	CONTRACTORS.		
Cave-in, Shaft 13, Section 7	Final.	O'Brien & Clark	$5,000 00	
Laying 20" pipe along the incline adjacent to Shaft 24, Section A.	"	"	2,895 83	
Grouting near Shaft 17½ on Section 8	"	"	4,427 50	
Grouting, Stations 778+00 and 779+30, Section 7	"	"	1,075 00	
Grouting on Section 13	"	Rogers, Shanley & Co	5,000 00	
Grouting near Shaft 30	"	Breuchaud, Pennell & Co	2,900 93	
Highway, trestle-work and bridges at Croton Dam, Section 1	"	Smith & Brown	4,500 00	
Sodding the South Yonkers embankment on Section 9	"	Rider & Dougherty	1,575 57	
Taking down and enlarging top of Shaft 11C, Section 5	"	C. L. Kalmbach	2,917 32	
Walls, foundations, etc., near Blow-off Chamber, Shaft 25, Section 12	"	Charles Peterson	2,233 12	
Frame head-house and engine-room at Shaft 25, Section 12	"	"	3,690 00	
Frame boiler-house and coal bin at Shaft 25, Section 12	"	"	3,635 00	
9" anti-friction pump and improved turbine wheel, etc., Croton Dam Gate-house, Section 1	"	Joseph Edwards & Co	2,135 00	
6–2' x 5' sluice gates at Bog Brook, and Sodom Dams	"	John Fox	4,200 00	
Pivot gate, Bog Brook Dams 1 and 2.	"	Coldwell, Wilcox & Co	2,445 00	
Finishing Shaft 21	"	William H. Baker	1,660 81	
Fence at Shaft 24	"	Francis V. Smith	865 24	
Soiling, sodding and seeding the slopes and adjacent grounds, Shaft 24	"	John Twiname	900 90	
2' x 10' sluice-gates at Bog Brook Tunnel Gate-house	"	John Fox	2,750 00	
				$126,789 14
Bailing, pumping and taking care of water on Section A			$1,669 73	
Pumping water in iron pipes, Section 12			6,063 65	
" " 13			5,405 00	
" " 14			7,935 00	
Iron pipe laid in tunnel, Section A			4,615 76	
" " B			980 50	
48-inch pipes at Shaft 11B			327 50	
48-inch stop-cock valves			4,500 00	
Ironwork, etc.—				
At shafts			20,072 50	
For gate-houses and blow-offs			17,546 61	
For dams			7,062 94	
Timber work, etc., at shafts and gate-houses			19,802 12	
Explorations under the Harlem river			4,384 26	
Experimental section in concrete, at Shaft 18			185 25	
Extra work, etc., on Section 1			4,616 03	

Extra work, etc., on Section 6	$42 70	
" " 12	171 35	
" " 14	696 21	
" " 15	89 32	
" " 16	668 98	
" enlarging Shaft 11C	147 81	
" on the Pocantico Gate-house	287 44	
" on the eleven head-houses	220 00	
" grading, improving and fencing grounds at One Hundred and Thirty-fifth Street Gate-house	256 73	
" on dams Nos. 1 and 2	444 31	
" on blow-offs, &c., Shaft 24	615 24	
Additional work, Section 9	49 37	
" " 12	65 73	
" " A	1,609 56	
" East Branch Reservoir Dam	2,250 08	
" Dams Nos. 1 and 2	480 06	
" earth and masonry dam, Reservoir M	1,339 53	
" highways or roads, etc., at East Branch and Bog Brook Reservoirs.	3,095 00	
" Shaft 21	95 85	
" two brick engine-houses	911 75	
" iron lined masonry Aqueduct, near Shaft 30	2,0 0 00	
" grubbing and clearing grounds, Shaft 24	40 70	
" Shafts 15½ and 16	43 50	
Removing solid rock in Harlem river, near Shaft 25	701 03	
Grading, etc., trenches, Quaker Bridge Dam site	150 00	
Grading and finishing the grounds adjacent Shaft 19⅝	125 00	
Surveys and topographical map, Croton watershed	7,000 00	
Soundings south of One Hundred and Thirty-fifth street	931 18	
Sinking test pits—		
Titicus river and Reservoir "D" Dam sites	540 35	
Cornell Dam sites	63 56	
Hoisting-engines for shafts	1,700 00	
Coating interior of Aqueduct with cement	8,384 37	
Telephone line	4,995 62	
Preparing, pumping, etc., inverted siphon, sections	2,643 91	
Preparing the Aqueduct for permanent use	211 66	
Iron bridge on the East branch of the Croton river	2,145 00	
Fencing around reservoirs, Shaft—sites, etc	1,800 39	
Drain in One Hundred and Sixty-seventh street and Amsterdam avenue	906 00	
		$153,086 14

Commissioners of Appraisal—Awards.		
Twenty-fourth Ward	$163,090 47	
Manhattan Island Section	802,230 93	
Westchester County	424,827 08	
Putnam County Section	504,249 50	
		$1,894,397 98
Commissioners of Appraisal.		
City and County of New York	$101,339 42	
Westchester County	270,378 92	
Manhattan Island Section	78,860 04	
Putnam County Section	129,393 82	
		579,972 20
Total expenditures		$27,333,924 35
Cr.		
Additional Water Stock	$26,945,000 00	
Premium account	607,168 70	
Additional Water Fund—"Miscellaneous"	12,451 36	
Total receipts		27,564,620 06
Balance, Comptroller's account		$230,695 71

Statement of Receipts and Expenditures of the Aqueduct Commissioners, June 30, 1893.

RECEIPTS.			
From Bonds Issued—			
Amount of bonds	$26,945,000 00		
Premiums on same	607,168 70	$27,552,168 70	
From proceeds of miscellaneous sales, etc		12,451 36	
Total receipts			$27,564,620 06
EXPENDITURES.			
Vouchers, pay-rolls, etc	$3,310,137 55		
Contracts, agreements, etc	21,489,326 80		
Land and land damages	60,089 82	$24,859,554 17	
Commissioners of Appraisal—			
Awards	$1,894,397 98		
Fees of Counsels, Commissioners, etc	579,972 20	2,474,370 18	
Total expenditures			27,333,924 35
Balance, Comptroller's account			$230,695 71

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 8912 to 8927, inclusive, and Nos. 8935 to 8948, inclusive, amounting to $4,911.64, and of judgment contained in Voucher No. 8928, amounting to $334.04; also of estimates contained in Vouchers Nos. 8949 to 8952, inclusive, amounting to $4,503.38.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Commissioners then adjourned.

J. C. LULLEY, Secretary.

AQUEDUCT COMMISSION.

Minutes of Special Meeting of the Aqueduct Commissioners, held at their Office, No. 209 Stewart Building, on Thursday, August 10, 1893, at 1.15 o'clock P. M.

Present—The Mayor, and Commissioners Duane, Tucker and Cannon.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 8955 to 8967, inclusive, amounting to $631.08; also of estimates contained in Vouchers Nos. 8968 to 8974, amounting to $84,006.20.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Construction or Executive Committee recommended the adoption of the following resolution:

Resolved, That the action of the Chief Engineer in appointing Arthur S. Child as Laborer, at two dollars per day, for work in the Engineering party under Division Engineer Gowen, on August 9, 1893, be and hereby is approved.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That the action of the Chief Engineer in discharging the following named men, on the dates hereinafter named, be and hereby is approved:

New Croton Gate-house.

Charles McGrath, Foreman, August 3, 1893.

Sanitary Work at Titicus.

Henry Smith, Teamster, with team, August 7, 1893.

Special Work at Bog Brook.

J. T. Tubbs, Laborer, August 7, 1893.
William Tryon, Laborer, August 7, 1893.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in temporarily employing William Outhouse and Charles Outhouse as Laborers, at two dollars per day, on August 3, 1893, for sanitary work under Division Engineer Gowen, be and hereby is approved.

On motion of Commissioner Tucker, the same was adopted.

The Committee also presented six similar property maps received from the Commissioner of Public Works on August 7, 1893, showing certain additional parcels of land required for the construction of the New Croton Dam (Cornell Site), in the town of Courtlandt, Westchester County, New York, and recommended the adoption of the following resolution :

Resolved, That the six similar property maps, received from the Commissioner of Public Works on August 7, 1893, showing certain additional parcels of land required for the construction of the New Croton Dam (Cornell Site), in the town of Courtlandt, Westchester County, New York, be and the same are hereby approved and adopted, and directed to be certified and transmitted to the Counsel to the Corporation for filing and delivery to the Commissioners of Appraisal, in accordance with the provisions of chapter 490, of the Laws of 1883, of the State of New York ; and the Counsel to the Corporation is hereby requested to take the steps necessary to acquire for the City, under chapter 490, of the Laws of 1883, of the State of New York, the fee in the lands described on said maps ; and the Secretary is hereby directed to furnish to the Counsel to the Corporation all maps, plans, etc., which he may require in the premises.

The same was adopted by the following vote :

Affirmative—The Mayor, and Commissioners Duane, Tucker and Cannon—4.

The Committee also recommended the adoption of the following preamble and resolutions :

Whereas, The firm of Washburn, Shaler & Washburn, contractors for building an earth and masonry dam for Reservoir "M," on Titicus river, near Purdy's Station, New York, under a contract made with the Mayor, Aldermen and Commonalty of the City of New York, dated February 18, 1890, have notified the Aqueduct Commissioners that they desire to execute an assignment of the moneys due or to become due under said contract for the estimate for work done during the month of July, 1893, amounting to $26,917.60, to the National City Bank of New York City ; and the said firm having requested the Aqueduct Commissioners to assent to said assignment, and inasmuch as the contract for doing said work provides that the contractors shall not assign, by power of attorney or otherwise, unless by and with the consent of the Aqueduct Commissioners ; and your Committee being satisfied that it will be to the best interests of the work and beneficial to the City of New York that said consent be given ; therefore,

Resolved, That the Aqueduct Commissioners hereby assent and consent to the assigning of the moneys due or to become due to Washburn, Shaler & Washburn, contractors, under and in pursuance of a certain contract for the building of an earth and masonry dam for Reservoir "M," on Titicus river, near Purdy's Station, New York, dated February 18, 1890, for the estimate for work done during the month of July, 1893, amounting to $26,917.60, to the National City Bank of New York City.

Resolved, That a copy of these resolutions be endorsed upon the contract above referred to and certified by the President and Secretary of the Aqueduct Commissioners.

The same were adopted by the following vote :

Affirmative—The Mayor, and Commissioners Duane, Tucker and Cannon—4.

The Committee also recommended the adoption of the following preamble and resolutions :

Whereas, The firm of Coleman & Washburn & Washburn, Assignees of Michael S. Coleman, contractor for the construction of two certain earth and masonry dams in connection with Reservoir "D," at Carmel, Putnam County, New York, under contracts made with the Mayor, Aldermen and Commonalty of the City of New York, dated September 19, 1890, have notified the Aqueduct Commissioners that they desire to execute an assignment of the moneys due or to become due under said contracts for estimates for work done during the month of July, 1893, amounting, respectively, to $10,448.01 and $1,982.21, to the Putnam County National Bank, of Carmel, New York ; and the said firm having requested the Aqueduct Commissioners to assent to said assignment, and inasmuch as the contracts for doing said work provide that the contractors shall not assign, by power of attorney or otherwise, unless by and with the consent of the Aqueduct Commissioners ; and your Committee being satisfied that it will be to the best interests of the work and beneficial to the City of New York that said consent be given ; therefore,

Resolved, That the Aqueduct Commissioners hereby assent and consent to the assigning of the moneys due or to become due to Coleman & Washburn & Washburn, Assignees of Michael S. Coleman, Contractor, under and in pursuance of two certain contracts for the construction of two certain earth and masonry dams in connection with Reservoir "D," at Carmel Putnam County, New York, for estimates for work done during the month of July, 1893, amounting, respectively, to $10,448.01 and $1,982.21, to the Putnam County National Bank of Carmel, New York.

Resolved, That a copy of these resolutions be endorsed upon the contracts above referred to and certified by the President and Secretary of the Aqueduct Commissioners.

The same were adopted by the following vote :

Affirmative—The Mayor, and Commissioners Duane, Tucker and Cannon—4.

The Comptroller, under date of July 31, 1893, gave notice of the issue of warrants for the payment of vouchers not certified to by the Aqueduct Commissioners for

Cornell Dam	$2,138 00
Reservoir "M"	907 53

leaving a balance to the credit of Additional Water Fund of $178,999.35.

Which was ordered entered upon the books of the Commission and filed.

The Secretary gave notice of the filing of a lien by Frank L. Froment against John F. Rourke and John Leonard, amounting to $315.07.

Which was ordered filed.

The Commissioners then adjourned.

J. C. LULLEY, Secretary.

AQUEDUCT COMMISSION.

NOTE.—On Wednesday, August 16, 1893, no quorum being present, the meeting stood adjourned.

J. C. LULLEY, Secretary.

NOTE.—On Wednesday, August 23, 1893, no quorum being present, the meeting stood adjourned.

J. C. LULLEY, Secretary.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, August 30, 1893, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Scott and Cannon.

The Construction or Executive Committee recommended the adoption of the following resolution:

Resolved, That the action of the Chief Engineer in discharging John Gill and James Keldore, Laborers, at two dollars per day, who left the work, to take effect on August 7, 1893, be and hereby is approved.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That the action of the Chief Engineer in temporarily employing Charles Gumbo on August 10, and Joseph Libero on August 11, 1893, as Laborers, at two dollars per day, to take the places made vacant by John Gill and James Keldore, who left the work on August 7, be and hereby is approved.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in temporarily employing Royal Tompkins and W. A. Tompkins as Laborers, on August 1, 1893, at two dollars per day, to assist in abating nuisances near New Croton Dam, be and hereby is approved.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in discharging Royal Tompkins and W. A. Tompkins, Laborers, on August 2, 1893, be and hereby is approved.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in reassigning Transitman Richard Baldwin, Jr., to the work now going on at Carmel under Division Engineer Craven, on August 17, 1893, the date of his expiration of leave of absence without pay, be and hereby is approved.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of R. D. Philbin, Journeyman Machinist in the Engineer Corps, for transportation between New York and Brewster, and for board at Brewster, amounting to thirty dollars and forty-four cents, is hereby approved and certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bills of Samuel Hopkins, Journeyman Machinist in the Engineer Corps, for transportation between New York and Brewster, and for board at Brewster, amounting to thirty-eight dollars and eighty-eight cents, are hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of Randolph Lowerre of the Engineer Corps, for traveling expenses, amounting to twenty-five dollars and nine cents, is hereby approved and ordered certfied to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of J. A. Fowler, for services in attending a sick horse, at Carmel, N. Y., amounting to six dollars, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of Silas J. Purdy for horse and harness for the month of July, used by Assistant Engineer in charge of abating nuisances near Croton Dam, amounting to eleven dollars and twenty-five cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bills of Henry S. Bailey for use of yoke of oxen and wagon and horse and wagon used in hauling stone, manure, tools, etc., in connection with abating nuisances near Croton Dam, and for horse and wagon used in hauling stone at Croton Dam Gate-house, during the month of July, amounting to eighty-two dollars, are hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of Stephen Brown for hauling lime, lumber and nails from Sing Sing to Kitchawan, in connection with abating nuisances, amounting to three dollars and seventy-five cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of H. C. Kear for drain-pipe used in abating nuisances near Croton Dam, amounting to two dollars and fifty-two cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of R. A. Hale for making diagram and plotting of current water-meter, amounting to four dollars, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bills of Coleman and Washburn and Washburn for four barrels of Portland cement ordered by the Chief Engineer for use of Commissioners, amounting to ten dollars, are hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of S. J. Purdy for use of horse and wagon by Assistant Engineer in charge of abating nuisances near Croton Dam, amounting to twenty-one dollars and eighty-seven cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bills of H. S. Bailey for use of horse and wagon and yoke of oxen and wagon in hauling stone, tools, manure, etc., in connection with abating nuisances near Croton Dam, amounting to sixty-two dollars, are hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of Seth Hoyt for cleaning six privies at Katonah, N. Y., amounting to thirty dollars, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of Otis Owen for cartage at Bog Brook Dams in connection with abating nuisances and grading entrance to dam, amounting to one hundred and five dollars and fifty cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of Buff & Berger for repairs to transit, amounting to twenty-eight dollars and ninety-five cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of V. B. Twigger for hire of teamster, with team, for hauling stone at New Croton Dam Gate-house, amounting to forty dollars, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of Bell & Cable for use of team for Assistant Engineer when inspecting work on Lower District

of the New Aqueduct, amounting to forty-nine dollars and twenty-five cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of Anderson & Lake for material for post and rail fencing and gates at Brewster Dams, and for lime for disinfecting purposes, amounting to one hundred and twenty-one dollars and eighty-one cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following preamble and resolution :

Whereas, The Chief Engineer of this Commission has certified in writing, under date of August 30, 1893, that Levy & Quinn, contractors, have completely performed and carried out the provisions of the contract made by them with this Commission on the 21st day of November, 1891, for grading, improving and fencing the grounds at several of the shafts of the New Croton Aqueduct, and has stated from actual measurements the whole amount of work done and materials furnished under and according to the terms of said contract, and of the true value thereof ; therefore

Resolved, That the Aqueduct Commissioners do accept the work done and materials furnished by Levy & Quinn under the contract above referred to, and direct that a proper voucher for the final payment for work done and materials furnished under said agreement be approved by the Aqueduct Commissioners and certified to the Comptroller for payment.

The same was adopted by the following vote :

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the President in approving of the policy of insurance required by the contract for constructing an office building at the New Croton Dam by John Schlachter, contractor, in favor of the Mayor, Aldermen and Commonalty of the City of New York, in the Greenwich Insurance Company of New York City, for the sum of $2,000, and transmitting the same to the Comptroller for filing in his office, be and hereby is approved.

On motion of Commissioner Scott, the same was adopted.

The Committee also presented the following, received from the Board of Estimate and Apportionment, and recommended that the same be spread in full on the minutes and filed :

BOARD OF ESTIMATE AND APPORTIONMENT,
CITY OF NEW YORK.

" Resolved, That the Comptroller be and hereby is authorized to pay the rent of rooms numbered 206, 207, 209, 211, 213, 214, 215, 216 and 217 in the Stewart Building, occupied and used as offices by the Aqueduct Commission, from May 1, 1893, to May 1, 1894, at the same rate as under the former lease, viz., ten thousand two hundred dollars ($10,200) per annum.

" Which were adopted by the following vote :

"Affirmative—The Mayor, Comptroller, President of the Department of Taxes and Assessment and Counsel to the Corporation—4.

"A true copy of resolution adopted by the Board of Estimate and Apportionment August 22, 1893.

"CHAS. V. ADEE, Clerk."

On motion of Commissioner Scott, the recommendation was approved.

The Committee also presented the following, received from the Board of Estimate and Apportionment, and recommended that the same be spread in full on the minutes and filed:

BOARD OF ESTIMATE AND APPORTIONMENT,
CITY OF NEW YORK.

CITY OF NEW YORK—FINANCE DEPARTMENT,
COMPTROLLER'S OFFICE,
August 22, 1893.

To the Board of Estimate and Apportionment:

I present herewith a resolution adopted by the Aqueduct Commissioners at a special meeting held August 3, 1893, requesting the approval and acceptance of the Board of Estimate and Apportionment of the offer of Edward C. Barnum to accept $600 for the damages sustained by him by changing a road or highway around Sodom Dam, which formerly ran in front of his property. The letter of the Chief Engineer of the New Croton Aqueduct fully explains the nature of the claim, and shows that the change in the location of the road was made after the action of the Commissioners for taking the land, as it was understood and shown by the map that Mr. Barnum would forever have a frontage on the road. By the change, however, Mr. Barnum was shut out from getting to his property without trespassing upon the land of others. His claim was for $1,400, for damages; but finally, after negotiation, he consents to accept $600 to settle the matter without litigation. The Engineer of the Finance Department has examined the matter, and reports the sum in question is just and reasonable.

Accordingly, I offer for adoption the following resolution.

Respectfully,

THEO. W. MYERS, Comptroller.

AQUEDUCT COMMISSIONERS' OFFICE,
STEWART BUILDING, No. 280 BROADWAY,
NEW YORK, August 5, 1893.

To the Board of Estimate and Apportionment, New York City:

GENTLEMEN—At a special meeting of the Aqueduct Commissioners, held on the 3d instant, the following preambles and resolutions were adopted:

"Whereas, The Aqueduct Commissioners, by changing a road or highway which formerly ran in front of land owned by Edward C. Barnum, adjacent to land taken for the construction of Sodom Dam and Reservoir, shown on the accompanying map and marked 'Parcel 22,' cut off all access thereto; and

"Whereas, The said Edward C. Barnum, through his attorney, Frederick E. Barnard, having agreed to execute a release of all claims for damages sustained by him by the changing of such road; and the Chief Engineer of this Commission having reported that it would be advisable to accept such proposition; now, therefore, be it

"Resolved, That the Aqueduct Commissioners (subject to the approval of the Board of Estimate and Apportionment), hereby approves and accepts the aforesaid offer and proposition of Edward C. Barnum, and agrees to pay him the said sum of six hundred dollars for damages sustained by him, provided he makes and executes a full release of all of his said claims, satisfactory in form to the Counsel to the Corporation.

"Resolved, That this resolution be referred to the Board of Estimate and Apportionment for approval, and that there be transmitted to said Board therewith the accompanying map or survey and the letter of the Chief Engineer approving said settlement."

Map or survey and copy of letter of the Chief Engineer above referred to are herewith transmitted.

Very respectfully yours,

J. C. LULLEY, Secretary.

(Copy.)

CHIEF ENGINEER'S OFFICE—AQUEDUCT COMMISSIONERS,
A. FTELEY, CHIEF ENGINEER, ROOM 213, STEWART BUILDING,
NEW YORK, July 10, 1893.

To the Honorable the Committee on Construction:

GENTLEMEN—I am in receipt of the following letter from Mr. H. T. Dykman:

"A. FTELEY, *Chief Engineer:*

"DEAR SIR—I am advised by Frederick E. Barnard, No. 229 Broadway, New York, counsel for Edward C. Barnum, that they will accept the sum of $600, and execute to the City of New York a release of all claims for damages sustained by him in accordance with the original map.

"I have made a careful examination of the claim in question, which was presented in the first instance at $1,400, at which sum I refused to certify it, and am of the opinion that the best interest of the city would be served by making the payment of $600 to Mr. Barnum.

"Yours, very truly,

(Signed) "H. T. DYKMAN."

I concur with Mr. Dykman in his recommendation that it will be advisable to accept Mr. Barnum's terms.

I am, respectfully,

A. FTELEY, Chief Engineer.

(Copy.)

CHIEF ENGINEER'S OFFICE—AQUEDUCT COMMISSIONERS,
A. FTELEY, CHIEF ENGINEER, ROOM 213, STEWART BUILDING,
NEW YORK, July 26, 1893.

To the Honorable the Committee on Construction:

GENTLEMEN—In addition to my communication of July 10, and at your request, I send herewith two (2) copies of a plan showing the location of the land of Edward C. Barnum.

Mr. Barnum originally owned nine acres of land, or thereabouts, and the City condemned and took 1.712 acres of said land for the purpose of Sodom Dam Reservoir, for which he was awarded for land and buildings the sum of $1,400. The map used in the condemnation proceedings left Mr. Barnum's property with frontage on a new and proposed road, and the award was made upon the theory that Mr. Barnum should still and forever have a frontage on the road, as will appear by the accompanying plan. The portion taken is numbered 22 on said plan. Since such award

City has changed the road system so as to leave Mr. Barnum's property without any frontage and thereby shut him out entirely from getting to his property without trespassing upon the land of others.

Mr. Barnum has always previously claimed $1,400 for the damages by reason of such change of road system, but finally, after long negotiations, consented to accept $600 to settle the matter without any litigation.

On the map used in condemnation proceedings the name of Herman C. Barnum is used as owner, but the history of the title is as follows:

Alexander Boynton and wife conveyed the property, 9 acres of land, more or less, to Herman C. Barnum, by deed dated March 24, 1852. Herman C. Barnum occupied the property until March, 1887, when he died, leaving Edward C. Barnum, a son, and Mrs. Eliza A. Minor, wife of Jonathan Minor, a daughter, his only heirs at law. Mrs. Eliza A. Minor conveyed her equal undivided one-half interest in said property to her brother, Edward C. Barnum, by deed, dated August 19, 1887.

I am, respectfully,

A. FTELEY, Chief Engineer.

Resolved, That the Comptroller be and hereby is authorized to pay the sum of six hundred dollars ($600) to Edward C. Barnum, for damages sustained by him by reason of a change in the location of the road around Sodom Dam, the said Edward C. Barnum agreeing to execute a release to the City of all claims for damages by changing of such road, upon the proper voucher of the Aqueduct Commission.

Which was adopted by the following vote:

Affirmative—The Mayor, Comptroller, President of the Department of Taxes and Assessments and Counsel to the Corporation—4.

On motion of Commissioner Scott, the recommendation was approved.

The Committee also recommended the adoption of the following preambles and resolution:

Whereas, On June 28, 1893, the Aqueduct Commissioners assented and consented to the assignment of the contract for constructing highways or roads and their appurtenances at Reservoir "D," in the Town of Carmel, Putnam County, New York, from Peter J. Moran to John Flanagan, and also to the assignment of the moneys that then were or thereafter might become lawfully payable under said contract by the said Peter J. Moran to the said John Flanagan; and

Whereas, The said John Flanagan, assignee, through his attorney, L. Laflin Kellogg, in a written communication bearing date July 10, 1893, has requested the Aqueduct Commissioners to assent to the substitution of Clinton Stephens and Henry Mayer in place of the sureties upon said contract; and

Whereas, The Aqueduct Commissioners are satisfied with the sufficiency of the sureties proposed by said John Flanagan, assignee; therefore

Resolved, That the Aqueduct Commissioners hereby assent and consent to the substitution of Clinton Stephens and Henry Mayer, in place of the sureties upon the contract for constructing highways or roads and their appurtenances at Reservoir "D," in the Town of Carmel, Putnam County, New York, which contract has been assigned by Peter J. Moran to John Flanagan.

The same were adopted by the following vote:

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also presented a bond of Clinton Stephens and Henry Mayer, substituted bondsmen on contract assigned by Peter J. Moran to John Flanagan for constructing highways or roads and their appurtenances at Reservoir "D," in the Town of Carmel, Putnam County, New York, and recommended that the same be approved.

The recommendation was adopted by the following vote:

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also presented the following communication, received from the Chief Engineer:

NEW YORK, August 23, 1893.

To the Honorable the Committee on Construction:

GENTLEMEN—It will soon be necessary for the construction of the highway around Titicus Reservoir, to remove the buildings now standing on the Keeler farm which has been recently taken by the City.

I understand that the land has been acquired by the City, and I am only waiting to hear from Mr. Dykman in regard to it to proceed with the work.

Such being the case, I respectfully request that the Secretary be authorized to advertise for the sale at auction of the buildings above mentioned, as soon as counsel notifies me that the property has actually come into possession of the City.

The buildings to be removed consist of a dwelling and annex, four barns, eight out-buildings and over a thousand feet of fencing (mostly picket fence).

I am, respectfully,

A. FTELEY, Chief Engineer.

—and recommended the adoption of the following resolution:

Resolved, That the foregoing communication of the Chief Engineer be approved, and that the Secretary and Chief Engineer be directed to advertise said buildings, etc., for sale in the CITY RECORD and in the "Brewster Standard," "Mt. Kisco Recorder" and "Katonah Times," and that the terms of sale, schedule of buildings and the upset prices be fixed by the Chief Engineer.

The same was adopted by the following vote:

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also recommended the adoption of the following preamble and resolution:

Whereas, Application has been made by Coleman and Washburn and Washburn, assignees of Michael S. Coleman, contractor, for an extension of time for the completion of the contracts for building an earth and masonry dam for Reservoir "D," on the west branch of Croton river, near Carmel, New York, and for building an auxiliary earth and masonry dam, near Craft's Station, for Reservoir "D," Town of Carmel, Putnam County, New York, to December 31, 1894; and the Chief Engineer having recommended that such extension of time be granted; therefore

Resolved, That the Aqueduct Commissioners hereby grant to Coleman and Washburn and Washburn, assignees of Michael S. Coleman, contractor, an extension of time to December 31, 1894, in which to complete the contracts above referred to, providing their bondsmen shall, within ten days from the date hereof, enter into stipulations continuing their obligations for and during the

completion of said contracts under said extension of time, which is hereby allowed to them as further time for the performance of said contracts ; and providing, also, that said contractors will take, at their own expense, all precautions for doing the work in cold weather as may be ordered by the Engineer, and that they will waive all claims for damages whatsoever on account of any raising or lowering of the water in the reservoir that the Commissioners or their Engineer may order, or from such injury or damage as may be caused by the action of the elements ; and provided, also, that if any damage is done to their work by such cause, they will waive all claim for compensation on account of damage, loss of time, or on account of other losses which they may incur from the rising of said water ; and provided, also, that they will take, at their own expense, such precautions for protecting the gates at said dams, by boxing or otherwise, as may be ordered by the Engineer.

The same was adopted by the following vote :

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 8983 to 9007, inclusive, amounting to $795.82.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the minutes of meetings of July 6, 12, August 3 and 10, 1893, were ordered approved.

The Commissioners then adjourned.

J. C. LULLEY, Secretary.

AQUEDUCT COMMISSION.

NOTE.—On Wednesday, September 6, 1893, no quorum being present, the meeting stood adjourned.

J. C. LULLEY, Secretary.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, September 13, 1893, at 3 o'clock P. M.

Present—The Mayor and Commissioners Duane, Tucker and Scott.

The Construction or Executive Committee presented the resignation of Division Engineer Walter McCulloh and recommended that the same be accepted, to take effect from September 15, 1893.

On motion of Commissioner Scott, the same was accepted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of Walter McCulloh, Division Engineer, for services rendered in preparing final estimates of work done at Bog Brook Dams, and report upon same, amounting to two hundred and seventy-five dollars, and bill for expenses, amounting to sixty-six dollars and fifty-nine cents, are hereby approved and ordered certified to the Comptroller for payment.

The same was adopted by the following vote :

Affirmative—The Mayor and Commissioners Duane, Tucker and Scott—4.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in employing the following-named persons for temporary duty on the sanitary force of the Croton River Division of the New Aqueduct, on the dates hereinafter named, be and hereby is approved :

John Fay, Carpenter, $2.50 per day, September 11.

Levi Dearborn, Laborer, $2 per day, September 11.

W. H. Armstrong, Laborer, $2 per day, September 11.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in discharging John Fay, Carpenter, and Levi Dearborn, Laborer, on September 12, 1893, be and hereby is approved.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of Isaac Terwilliger, for lumber and cartage on same to be used in abating nuisances, amounting to twelve dollars and seventy-seven cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of R. B. Totten, for use of one horse for ten days, amounting to ten dollars, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of S. W. Light, Jr., for timber and labor of man and team in abating nuisances near Croton Dam, amounting to twenty-two dollars, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of L. Frank, for one pair of brass plumb sights for use of Engineer Corps at New Croton Dam, amounting to fifteen dollars, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of Henry S. Bailey, for use of one yoke of oxen and wagon with teamster hauling dirt and stone at Croton Dam Gate-house, amounting to eight dollars, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of J. J. Roake & Son, for plank and cartage of same, to be used in the abatement of nuisances near

Croton Dam, amounting to four dollars and ninety cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following preamble and resolutions :

Whereas, The firm of Washburn, Shaler & Washburn, contractors for building an earth and masonry dam for Reservoir "M," on Titicus river, near Purdy's Station, New York, under a contract made with the Mayor, Aldermen and Commonalty of the City of New York, dated February 18, 1890, have notified the Aqueduct Commissioners that they desire to execute an assignment of the moneys due or to become due under said contract for the estimate for work done during the month of August, 1893, amounting to twenty-nine thousand three hundred and eighty-eight dollars and eighty-two cents, to the National City Bank of New York City, and the said firm having requested the Aqueduct Commissioners to assent to said assignment, and inasmuch as the contract for doing said work provides that the contractors shall not assign, by power of attorney or otherwise, unless by and with the consent of the Aqueduct Commissioners, and your Committee being satisfied that it will be to the best interests of the work and beneficial to the City of New York that said consent be given ; therefore

Resolved, That the Aqueduct Commissioners hereby assent and consent to the assigning of the moneys due or to become due to Washburn, Shaler & Washburn, contractors, under and in pursuance of a certain contract for the building of an earth and masonry dam for Reservoir "M," on Titicus river, near Purdy's Station, New York, dated February 18, 1890, for the estimate for work done during the month of August, 1893, amounting to twenty-nine thousand three hundred and eighty-eight dollars and eighty-two cents, to the National City Bank of New York City.

Resolved, That a copy of these resolutions be endorsed upon the contract above referred to and certified by the President and Secretary of the Aqueduct Commissioners.

The same were adopted by the following vote :

Affirmative—The Mayor and Commissioners Duane, Tucker and Scott—4.

The Committee also recommended the adoption of the following preamble and resolutions :

Whereas, The firm of Coleman and Washburn and Washburn, assignees of Michael S. Coleman, contractor for the construction of two certain earth and masonry dams in connection with Reservoir "D," at Carmel, Putnam County, New York, under contracts made with the Mayor, Aldermen and Commonalty of the City of New York, dated September 19, 1890, have notified the Aqueduct Commissioners that they desire to execute an assignment of the moneys due or to become due under said contracts for estimates for work done during the month of August, 1893, amounting, respectively, to nine thousand six hundred and seventeen dollars and fifty-nine cents and three thousand six hundred and thirty-one dollars and fifty-one cents, to the National City B of New York City ; and the said firm having requested the Aqueduct Commissioners to assent t assignment, and inasmuch as the contracts for doing said work provide that the contractor not assign, by power of attorney or otherwise, unless by and with the co f the Aq Commissioners ; and your Committee being satisfied that it will be to th f th and beneficial to the City of New York that said consent be given ; there

Resolved, That the Aqueduct Commissioners hereby assent and consent to the assigning of the moneys due or to become due to Coleman and Washburn and Washburn, assignees of Michael S. Coleman, contractor, under and in pursuance of two certain contracts for the construction of two certain earth and masonry dams in connection with Reservoir "D," at Carmel, Putnam County, New York, for estimates for work done during the month of August, 1893, amounting, respectively, to nine thousand six hundred and seventeen dollars and fifty-nine cents and three thousand six hundred and thirty-one dollars and fifty-one cents, to the National City Bank of New York City.

Resolved, That a copy of these resolutions be endorsed upon the contracts above referred to and certified by the President and Secretary of the Aqueduct Commissioners.

The same were adopted by the following vote :

Affirmative—The Mayor and Commissioners Duane, Tucker and Scott—4.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of Randolph Lowerre for money disbursed by him in traveling to the various shaft-sites on the Lower District of the New Aqueduct to superintend the work, amounting to twenty dollars and fifty-seven cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended the adoption of the following preamble and resolution :

Whereas, The Counsel to the Corporation has transmitted to the Aqueduct Commissioners, with his approval, a transcript of judgment in an action entitled Patrick Carraher, Jr., as administrator de bonis non of the goods, chattels and credits of Christopher A. Carraher, deceased, vs. The Mayor, Aldermen and Commonalty of the City of New York for the sum of one hundred and sixty dollars ; therefore

Resolved, That a voucher be and hereby is ordered drawn in favor of Patrick Carraher, Jr., as administrator, etc., of Christopher A. Carraher, deceased, for the sum of one hundred and sixty dollars, being amount of judgment rendered for salary due said Christopher A. Carraher, deceased, while employed as an Inspector of Masonry on the New Aqueduct, and certified to the Comptroller for payment.

The same was adopted by the following vote :

Affirmative—The Mayor and Commissioners Duane, Tucker and Scott—4.

The Committee also recommended the adoption of the following preamble and resolution :

Whereas, The Chief Engineer of this Commission has certified in writing, under date of September 6, 1893, that David R. Paige & Co., contractors, have completely performed and carried out the provisions of the contract made by them with this Commission on the 12th day of January, 1889, for building Dams Nos. 1 and 2 on Bog brook and adjacent tunnel in connection with the East Branch Reservoir, and has stated from actual measurements the whole amount of work done and materials furnished under and according to the terms of said contract, and of the true value thereof ; therefore

Resolved, That the Aqueduct Commissioners do accept the work done and materials furnished by David R. Paige & Co., under the contract above referred to, and direct that a proper voucher for the final payment for work done and materials furnished under said agreement be approved by the Aqueduct Commissioners and certified to the Comptroller for payment.

The same was adopted by the following vote:

Affirmative—The Mayor and Commissioners Duane, Tucker and Scott—4.

The Committee also recommended the adoption of the following resolution:

Resolved, That the services of the following-named persons be and hereby are dispensed with, owing to the lack of work, the same to take effect on September 13, 1893:

William T. Ross, Transitman.
Edwin C. Penny, Rodman.
Francis F. Hine, Axeman.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended the adoption of the following preamble and resolution:

Whereas, In the opinion of the Aqueduct Commissioners the further sum of two hundred and fifty thousand dollars will be required to defray the necessary and lawful expenditures of said Commissioners; now, therefore, be it

Resolved, That the Comptroller of the City of New York be and he is hereby requested to raise the sum of two hundred and fifty thousand dollars upon bonds of the City of New York, in conformity with the requirements of section 32, chapter 490 of the Laws of 1883 of the State of New York, for the uses and purposes of the Aqueduct Commissioners as set forth in said chapter and section of said law.

The same was adopted by the following vote:

Affirmative—The Mayor and Commissioners Duane, Tucker and Scott—4.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 9011 to 9017, inclusive, amounting to $134.25, and of judgment contained in Voucher No. 9018, amounting to $160; also of estimates contained in Vouchers Nos. 9019 to 9021, inclusive, amounting to $48,056.23, and Nos. 9022 to 9028, inclusive, amounting to $79,183.35; also of bills contained in Vouchers Nos. 9029 to 9038, inclusive, amounting to $520.98.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Commissioners then adjourned.

J. C. LULLEY, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, September 20, 1893, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Scott and Cannon.

In the absence of the Secretary, Auditor Ernest A. Wolff acted as Secretary pro tem.

The Construction or Executive Committee recommended the adoption of the following resolution:

Resolved, That the action of the Chief Engineer in discharging the following-named persons on September 15, 1893, be and hereby is approved;

William Brearton, Foreman.	John Whalen, Laborer.
George Fergeson, Laborer.	William Schnabel, Teamster with team.
Frank Russell, "	William Outhouse, Laborer.
Michael Evans, "	Charles Outhouse, "
Samuel Rooney, "	

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That the action of the Chief Engineer in discharging Joseph Libero, employed as Laborer on the Lower District of the New Aqueduct, on August 29, 1893, be and hereby is approved.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of David Travis, for filling cellars and clearing up stone, etc., below Brewster Dams, amounting to one hundred and eighty-two dollars, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of Sinclair & Co., for rubber rings used at Shaft No. 25 of the New Aqueduct, amounting to thirty-nine dollars, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of Charles K. Rider for three hundred four-foot fuses, used by diamond drill party while drills were still working at New Croton Dam site, amounting to nine dollars, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also presented the following communication, received from the Chief Engineer, and recommended that the same be spread in full on the minutes and filed :

NEW YORK, September 20, 1893.

To the Honorable the Committee on Construction :

GENTLEMEN—I beg to submit herewith the report of the operations of this Department in abating nuisances in the parts of the Croton water-shed which are under your jurisdiction, or which have been put under my supervision by the Commissioner of Public Works.

This report is so arranged that in case of litigation the principal features of the action taken in each case and the names of the witnesses who could testify in behalf of the City can be readily determined. It does not contain a detail of the numerous smaller cases, such as the removal of piles of manure and of other nuisances which will not cause any litigation, and which are too insignificant to mention.

The work, although completed as regards the removal or destruction of buildings and other actions of a permanent description, is of a continuous character, as constant supervision must be exerted to prevent recurrent accumulations of noxious matters.

In many cases, also, barns and other buildings have been ordered vacated, but it is expected that, at this time of the year, they will be occupied again, and I have requested the Department of Public Works, through Mr. Dykman, to define the policy which is to be followed ; as, in a number of cases, the value of the property involved is of sufficient importance to make me desire the opinions of those in power in regard to it.

In view of the necessity of maintaining a certain amount of supervision, a certain number of men, nine in all, are kept on the pay-rolls ; their number may be shortly increased for the reasons above given.

The amount of expenditure incurred by the Aqueduct Commissioners to date, for labor and materials of all kinds, is as follows :

For the district in the vicinity of the Brewster Dams, including all the water-shed of [redacted] under Assistant Engineer Speyer.....

jacent to Reservoir "M," incl[redacted]e water-shed of the Titicus

Division Engineer Craven....

adjacent to Reservoir "D, [redacted]er Division Engineer

.....

For the Croton water-shed south of Putnam County	Under Division Engineer Gowen....	$1,949 48
With the exception of Mount Kisco Valley and Amawalk Reservoir	Under Division Engineer Wegmann..	3,410 76
Total		$9,685 94

A copy of the accompanying report will be sent to the Commissioner of Public Works and to Mr. Dykman for their information.

I am, respectfully,

A. FTELEY, Chief Engineer.

On motion of Commissioner Cannon, the recommendation was approved.

Note.—The report above referred to is on file in the office of the Secretary of the Aqueduct Commissioners.

The Committee also recommended the adoption of the following resolution:

Resolved, That the accompanying bills for taxes due the Town of Greenburgh, Westchester County, New York, School District No. 5, for the years 1890 and 1891, amounting to twenty-eight dollars and seventy-three cents, are hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That the accompanying bill of Irving Flewwellin, for five days' labor as Overseer, assessed for the year 1893, on property condemned on road, District No. 64, in the Town of Yorktown, New York, amounting to seven dollars and fifty cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That the accompanying bill for taxes due the Town of Greenburgh, Westchester County, New York, on property taken in fee by the City of New York for the construction of the New Croton Aqueduct, for the year 1892, amounting to one hundred and ten dollars and eighty-five cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That the accompanying bill for taxes due the Town of Greenburgh, Westchester County, New York, School District No. 9, for the year 1891, amounting to three dollars and six cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 9043 to 9058, inclusive, amounting to $1,161.22.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the minutes of the stated meeting of August 30, 1893, were ordered approved.

The Commissioners then adjourned.

ERNEST A. WOLFF, Secretary pro tem.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, September 27, 1893, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Scott and Cannon.

In the absence of the Secretary, Auditor Ernest A. Wolff acted as Secretary pro tem.

The Construction or Executive Committee recommended the adoption of the following resolution:

Resolved, That the action of the Chief Engineer in discharging the following named persons, on the dates hereinafter named, be and hereby is approved:

Charles Gumbo, Laborer, September 26, 1893.

William Gilmore, Teamster, July 29, 1893.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That the action of the Chief Engineer in engaging Joseph Lentilhon, Jr., as Laborer, with the Engineer Corps at Carmel, N. Y., at two dollars per day, on September 25, 1893, be and hereby is approved.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That the action of the Chief Engineer in employing John L. McCartney as Laborer, at two dollars per day, from September 19, 1893, be and hereby is approved.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That the action of the Chief Engineer in dispensing with the services of Bert Willsea, Laborer, from September 18, 1893, be and hereby is approved.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following preamble and resolution :

Whereas, The Chief Engineer of this Commission has certified in writing, under date of September 27, 1893, that John Schlachter has completely performed and carried out the provisions of the contract made by him with this Commission on the 28th day of June, 1893, for constructing a two-story and attic frame office building situated near the New Croton Dam site, in the Town of Cortlandt, Westchester County, New York, and has stated from actual measurements the whole amount of work done and materials furnished under and according to the terms of said contract, and of the true value thereof ; therefore,

Resolved, That the Aqueduct Commissioners do accept the work done and materials furnished by John Schlachter, under the contract above referred to, and direct that a proper voucher for the final payment for work done and materials furnished under said agreement, be approved by the Aqueduct Commissioners and certified to the Comptroller for payment.

The same was adopted by the following vote :

Affirmative--Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee on Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 9064 to 9073, inclusive, amounting to $323.24, and of final estimate for constructing an office building near the New Croton Dam site, contained in Voucher No. 9074, amounting to $2,650.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Comptroller, under date of August 31, 1893, gave notice of the issue of warrants for the payment of vouchers not certified to by the Aqueduct Commissioners, for

Westchester County Section	$881 32
Sodam Dam and Reservoirs	2,559 00
Reservoir "M."	559 00
Cornell Dam	70 00
Reservoir "D."	175 97

—leaving a balance to the credit of "Additional Water Fund" of $68,875 36.

Which was ordered entered upon the books of the Commission and filed.

On motion of Commissioner Scott, the minutes of stated meeting of September 13, 1893, were ordered approved.

The Commissioners then adjourned.

ERNEST A. WOLFF, Secretary pro tem.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their Office, No. 209 Stewart Building, on Wednesday, October 4, 1893, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Scott and Cannon.

In the absence of the Secretary, Auditor Ernest A. Wolff acted as Secretary pro tem.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 9078 to 9087, inclusive, amounting to $235.04, and of estimates contained in Vouchers Nos. 9088 to 9093, inclusive, amounting to $113,086.97.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Construction or Executive Committee presented the resignation of Winfred H. Roberts, Axeman, and recommended that it be accepted, to take effect as of October 1, 1893.

On motion of Commissioner Scott, the recommendation was approved.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in employing H. G. Otis as Laborer at two dollars per day, on October 2, 1893, for work at Reservoir "M," be and hereby is approved.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of David Travis, for cleaning privy-vault and constructing new vault at Brewster Dams, amounting to twenty dollars, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of Henry S. Bailey, for use of one yoke of oxen and wagon with driver to haul stone and dirt at the Croton Dam gate-house, amounting to ninety-four dollars, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of Henry S. Bailey, for use of horse and wagon for hauling tools, etc., in abating nuisances near the New Croton Dam, amounting to thirty-six dollars and seventy-five cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of The Hastings Pavement Company for one barrel of asphalt ordered by the Chief Engineer for the use of the Aqueduct Commissioners, amounting to four dollars, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of Robert A. Welcke, for mounting three maps of the Croton water-shed, amounting to five dollars, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of Vernon Twigger, for use of team with driver to haul stone at the New Croton Dam, amounting to one hundred and two dollars, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of David Travis, for men and team engaged in hauling dirt, stone, etc., at Brewster Dams, amounting to twenty-five dollars, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of Silas J. Purdy, for hire of horse and harness used during August, 1893, in abating nuisances near the New Croton Dam, amounting to nine dollars and thirty-seven cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Scott, the same was adopted.

The Commissioners then adjourned.

ERNEST A. WOLFF, Secretary pro tem.

AQUEDUCT COMMISSION.

NOTE.—On Wednesday, October 11, 1893, no quorum being present, the meeting stood adjourned.

J. C. LULLEY, Secretary.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their Office, No. 209 Stewart Building, on Wednesday, October 18, 1893, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Scott and Cannon.

The Construction or Executive Committee recommended the adoption of the following preamble and resolution:

Whereas, In the opinion of the Aqueduct Commissioners, the further sum of five hundred thousand dollars will be required to defray the necessary and lawful expenditures of said Commissioners; now, therefore, be it

Resolved, That the Comptroller of the City of New York be and he is hereby requested to raise the sum of five hundred thousand dollars upon bonds of the City of New York, in conformity with the requirements of section 32, chapter 490, Laws of 1883, of the State of New York, for the uses and purposes of the Aqueduct Commissioners as set forth in said chapter and section of said law.

The same was adopted by the following vote:

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also presented the following communication, received from the Chief Engineer:

NEW YORK, October 11, 1893.

To the Honorable the Committee on Construction:

GENTLEMEN—As it is now time to provide the gate-machinery for Titicus Dam, I have asked the two firms which have furnished all this class of work for the Aqueduct and dams to send me a bid for the same.

You are aware that that machinery is of a rather special character, and you have already authorized me in similar cases to limit the bids to these two firms, whose previous experience in that line is a guarantee of good execution. You recollect also that their bids have almost invariably been the lowest tendered.

The bids received in answer to my request are as follows:

From John Fox for 4 gates and hoisting apparatus complete in place	$3,834 00
For 2 wedges with their hoisting apparatus complete in place without the iron guides	1,625 00
Total	$5,459 00
From Coldwell-Wilcox Company for the same work	$3,100 00
And	1,379 00
Respectively, making a total of	$4,479 00

My estimate for the same was $4,900.

The bid of Coldwell-Wilcox Company being the lower, I respectfully recommend that they be ordered to do the work, provided this action meets otherwise with your approval.

The bids above mentioned are submitted herewith.

I am, respectfully,

A. FTELEY, Chief Engineer.

—and recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, the work of providing the gate machinery for the Titicus dam as above set forth, be and hereby is awarded to the Coldwell-Wilcox Company at their bid of four thousand four hundred and seventy-nine dollars, it being the lowest bid received and less than the estimate of the Chief Engineer; and an appropriation of that amount is hereby made to cover the cost thereof; and the Chief Engineer is hereby directed to prepare a contract for doing said work.

The same was adopted by the following vote:

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, an appropriation of forty-five dollars is hereby made for the purpose of lithographing and printing two hundred copies of the route map of the New Aqueduct.

The same was adopted by the following vote:

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, Edward E. de Lancey be and hereby is promoted from the grade of Leveler to that of Transitman in the Engineer Corps of the Aqueduct Commissioners, he having been certified by the Civil Service Commission as eligible for such promotion, at a salary of one thousand five hundred dollars per annum; the same to take effect on October 19, 1893.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, Thomas J. McNamara, now Axeman in the Engineer Corps of the Aqueduct Commissioners, be and hereby is appointed Skilled

Laborer in said Corps, at a compensation of four dollars per day; the same to take effect October 19, 1893.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of C. W. Palmer for storage of frames and screens for Croton Lake gate-house, amounting to fourteen dollars, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That the accompanying bill for taxes due the Town of North Salem, N. Y., School District No. 6, amounting to four hundred and forty-six dollars and forty-three cents, is hereby approved and ordered certified to the Comptroller for payment.

The same was adopted by the following vote:

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also recommended the adoption of the following preamble and resolution:

Whereas, The Chief Engineer of this Commission has certified in writing, under date of October 10, 1893, that Daniel Carpenter has completely performed and carried out the provisions of the contract made by him with this Commission on the 17th day of July, 1893, for constructing a bridge across the Saw Mill river, near Shaft No. 12 of the New Aqueduct, and has stated from actual measurements the whole amount of work done and materials furnished under and according to the terms of said agreement, and of the true value thereof; therefore,

Resolved, That the Aqueduct Commissioners do accept the work done and materials furnished by Daniel Carpenter, under the contract above referred to, and direct that a proper voucher for the final payment for work done and materials furnished under said agreement be approved by the Aqueduct Commissioners and certified to the Comptroller for payment.

The same was adopted by the following vote:

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee of Finance and Audit reported their examination and audit of estimate contained in Voucher No. 9097, amounting to $2,719.08, and of bills contained in Vouchers Nos. 9098 to 9119, inclusive, amounting to $1,570.06.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the minutes of meetings of September 20, 27 and October 4, 1893, were ordered approved.

The Commissioners then adjourned.

J. C. LULLEY, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their Office, No. 209 Stewart Building, on Wednesday, October 25, 1893, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Scott and Cannon.

The Construction or Executive Committee recommended the adoption of the following resolution:

Resolved, That the action of the Chief Engineer in temporarily employing the following-named persons on the sanitary work at Katonah, N. Y., on the dates and at the rates hereinafter named, be and hereby is approved:

John Fay, Carpenter, $2.50 per day, October 17.

Levi Dearborn, Laborer, $2 per day, October 17.

On motion of Commissioner Cannon, the same was adopted.

The Committee also recommended the adoption of the following preamble and resolution:

Whereas, The Counsel to the Corporation has transmitted to the Aqueduct Commissioners, with his approval, a transcript of judgment in an action entitled John B. Borst vs. The Mayor, Aldermen and Commonalty of the City of New York, for the sum of four hundred and eight dollars and forty-two cents; therefore

Resolved, That a voucher be and hereby is ordered drawn in favor of John B. Borst for the sum of four hundred and eight dollars and forty-two cents, being amount of judgment rendered for salary due said John B. Borst while employed as an Inspector of Masonry on the New Aqueduct, and certified to the Comptroller for payment.

The same was adopted by the following vote:

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee on Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 9122 to 9132, inclusive, amounting to $368.13, and of judgment contained in Voucher No. 9133, amounting to $408.42; also of final estimate contained in Voucher No. 9134, amounting to $816.50.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Commissioners then adjourned.

J. C. LULLEY, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, November 1, 1893, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Scott and Cannon.

The Construction or Executive Committee recommended the adoption of the following resolution:

Resolved, That the action of the Chief Engineer in temporarily employing H. J. Tattersall as Laborer, at two dollars per day, on October 26, 1893, for work on the Engineer Corps at Carmel, N. Y., be and hereby is approved.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That the action of the Chief Engineer in temporarily employing John Quinn as Stone Cutter, at four dollars per day, on October 18, 1893, for work on the Lower Division of the New Aqueduct be and hereby is approved.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That the action of the Chief Engineer in temporarily employing the following-named persons on the sanitary work at Katonah, N. Y., on the dates and at the rates hereinafter mentioned, be and hereby is approved:

Charles Robertson, Bricklayer, $3.50 per day, October 24.

Frank Rogers, Bricklayer, $3.50 per day, October 24.

John Cargin, Laborer, $2 per day, October 24.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in renting the Engineer's office at Sing Sing, New York, from Mrs. C. S. Gowen for the months of August and September, 1893, at ninety-one dollars and sixty-seven cents be and hereby is approved.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following preamble and resolution :

Whereas, Application has been made by Washburn, Shaler & Washburn, contractors, for an extension of time for the completion of their contract for building an earth and masonry dam for Reservoir " M," on Titicus river, near Purdy's Station, New York, to December 31, 1894, and the Chief Engineer having recommended that such extension of time be granted ; therefore

Resolved, That the Aqueduct Commissioners hereby grant to Washburn, Shaler & Washburn, contractors, an extension of time to December 31, 1894, in which to complete the contract above referred to, providing their bondsmen shall, within ten days from the date hereof, enter into stipulations continuing their obligations for and during the completion of said contract under said extension of time, which is hereby allowed to them as further time for the performance of said contract ; and provided also, that said contractors will take, at their own expense, all precautions for doing the work in cold weather as may be ordered by the Engineer, and that they will waive all claims for damages whatsoever on account of any raising or lowering of the water in the reservoir that the Commissioners or their Engineer may order, or from such injury or damage as may be caused by the action of the elements ; and provided also, that if any damage is done to their work by such cause, they will waive all claim for compensation on account of damage, loss of time, or on account of other losses which they may incur from the rising of said water, and provided also that they will take, at their own expense, such precautions for protecting the gates at said dam, by boxing or otherwise, as may be ordered by the Engineer.

The same was adopted by the following vote :

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bills of Coleman and Washburn and Washburn for Portland cement ordered by him for the use of the Aqueduct Commissioners, amounting to twenty-three dollars and thirty cents, are hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of Isaac Terwilliger for lumber used in abating nuisances near the New Croton Dam, amounting to seven dollars and sixty-two cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bills of John E. Barlow for hardware, etc., used in abating nuisances near the New Croton Dam, amounting to fifty-nine dollars and ninety-eight cents, are hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of S. J. Purdy for hire of horse and harness, used in abating nuisances near the New Croton Dam, amounting to seven dollars and fifty cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of H. S. Bailey, for hire of horse and wagon used in hauling tools and materials in abating nuisance near the New Croton Dam, amounting to thirty-three dollars and seventy-five cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of H. S. Bailey, for use of yoke of oxen, wagon and driver, hauling stone at the New Croton Gates house, amounting to sixty-two dollars, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of Vernon Twigger for use of team with driver hauling stone at the New Croton Dam, amounting to sixty-four dollars, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of James McCartney for use of horse, wagon, etc., incurred in work on Upper and Lower Districts of the New Aqueduct, amounting to ninety-five dollars and sixty-four cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of G. N. Clements for nine dozen photographs of buildings near the New Croton Dam, amounting to fifty-one dollars, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of J. G. Many for moving furniture and two safes from Sing to Sing to new office building at the New Croton Dam, amounting to thirty-one dollars, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of George Juengst & Sons for steel bolts, rail bracket, scaffold castings, etc., used at Brewster Dams and Croton Gate-house, amounting to forty-three dollars and fifty cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 9142 to 9156, inclusive, amounting to $3,096.88.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the minutes of stated meeting of October 18, 1893, were ordered approved.

The Commissioners then adjourned.

J C. LULLEY, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their Office, No. 209 Stewart Building, on Wednesday, November 8, 1893, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Scott and Cannon.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 9158 to 9168, inclusive, amounting to $488.31, and of estimates contained in Vouchers Nos. 9169 to 9175, inclusive, amounting to $104,313.62.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Construction or Executive Committee recommended the adoption of the following resolution:

Resolved, That upon the recommendation of the Chief Engineer, the accompanying bill of Levy & Quinn, contractors, for extra work done by them and not included in their contract for grading, improving and fencing the grounds at several of the shafts of the New Croton Aqueduct, amounting to seven hundred and forty-nine dollars and one cent, is hereby approved and ordered certified to the Comptroller for payment; and an appropriation of said amount is hereby made to cover the amount of said bill.

The same was adopted by the following vote:

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also presented the following communication, received from the Chief Engineer:

NEW YORK, November 8, 1893.

To the Honorable the Committee on Construction:

GENTLEMEN—In accordance with the authority given me by your resolution of October 18, I have obtained prices from four firms for the cast-iron pipes and special castings wanted for the New Croton Dam.

M. J. Drummond's bid is $1,034 96

McNeal Pipe and Foundry Company did not originally comply with the terms of the invitation sent them, and were asked to conform to it; their corrected bid is..... 1,163 44

R. D. Wood & Co's bid is	$1,225 67
Warren Foundry and Machine Company's bid is	1,495 00

This is to request you to authorize the Chief Engineer to order the work from the lowest bidder, M. J. Drummond.

I am, respectfully,

A. FTELEY, Chief Engineer.

N. B.—My estimate for the above work is $1,200.

A. F.

—and recommended the adoption of the following resolution:

Resolved, That the Chief Engineer be and hereby is authorized to order the work of furnishing cast-iron pipes and special castings required for the New Croton Dam from M. J. Drummond, at a cost not exceeding his bid of one thousand and thirty-four dollars and ninety-six cents, it being the lowest bid received and less than the estimate of the Chief Engineer; and the Chief Engineer is hereby directed to report the result of his action to the Commissioners.

On motion of Commissioner Scott, the same was adopted.

The Committee also presented the resignation of Frederic W. Frost, Assistant Engineer, and Private Secretary to the Chief Engineer, and recommended that the same be accepted, to take effect on December 1, 1893, or at such time prior to that date as may be designated by the Chief Engineer.

On motion of Commissioner Scott, the recommendation was approved.

The Comptroller, under date of October 31, 1893, gave notice of the issue of warrants for the payment of vouchers and certified by the Aqueduct Commissioners for

Reservoir "M"	$6,935 00
Cornell Dam	4,520 25

—leaving a balance to the credit of "Additional Water Fund" of $12,148.43.

And stating that bonds have been issued for the credit of said fund, as follows:

September 1, 1893	$100,000 00
October 11, 1893	150,000 00

Which was ordered entered upon the books of the Commission and filed.

The Commissioners then adjourned.

J. C. LULLEY, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, November 15, 1893, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Scott and Cannon.

The Construction or Executive Committee recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in discharging the following-named persons, on the dates hereinafter named, be and hereby is approved :

William Carroll, Laborer, November 7.

John Quinn, Stone Cutter, October 27.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of H. S. Bailey for use of oxen with wagon and driver, engaged in hauling stone at the New Croton Dam Gate-house, amounting to forty-eight dollars ($48), is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of H. S. Bailey for use of horse and wagon, used in abating nuisances near Croton Dam, amounting to twenty-nine dollars and twenty-five cents ($29. 25), is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of Edgar Hitt for bolts and plates used in the construction of fire-proof vault at Katonah, New York,

amounting to eleven dollars and eighty cents ($11.80), is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 9177 to 9189, inclusive, amounting to $1,151.17.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the minutes of meetings of October 25, November 1 and 8, 1893, were ordered approved.

The Commissioners then adjourned.

J. C. LULLEY, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their Office, No. 209 Stewart Building, on Wednesday, November 22, 1893, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Scott and Cannon.

The Construction or Executive Committee recommended the adoption of the following resolution:

Resolved, That the action of the Chief Engineer in discharging the following persons, on the dates hereinafter named, be and hereby is approved:

John Fay, Carpenter, November 13.

Levi Dearborn, Laborer, November 13.

Charles Robertson, Bricklayer, November 20.

Frank Rogers, Bricklayer, November 20.

John Cargin, Laborer, November 20.

On motion of Commissioner Cannon, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, the salary of Robert A. McKim, Assistant Engineer, be and hereby is fixed at one thousand eight hundred dollars ($1,800) per annum, he having been promoted to the grade of Assistant Engineer on December 18, 1889, without increase of salary; the same to take effect on December 1, 1893.

On motion of Commissioner Scott, the same was adopted.

The Committee also presented the following communication, received from the Chief Engineer:

NEW YORK, November 22, 1893.

To the Honorable the Committee on Construction:

GENTLEMEN—I consider it necessary to erect inside of the gate-house at Shaft No. 25 (in one of the corners) a small room for office purposes, where a stove can be put up in winter for the Keeper. The room is to be of wood, with double sliding-door, windows, a desk, locker and a working-bench.

I have requested bids on a detailed specification from two carpenters, as follows:

J. & E. Anderson, One Hundred and Sixty-third street and Kingsbridge road.....	$195 00
James Brush, No. 1775 Sedgwick avenue, Morris Heights.....	210 00

I consider these bids fair and reasonable, and respectfully recommend that the work be given to J. & E. Anderson.

I am, respectfully,

A. FTELEY, Chief Engineer.

—and recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, the work of erecting a room inside of the gate-house at Shaft No. 25 of the New Aqueduct be and hereby is awarded to J. & E. Anderson, the lowest bidders, at their bid of one hundred and ninety-five dollars ($195), and an appropriation of that amount is hereby made to cover the cost thereof.

The same was adopted by the following vote:

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also recommended the adoption of the following preamble and resolution:

Whereas, Application has been made by John L. Merritt, contractor, for an extension of time for the completion of his contract for cutting timber and clearing grounds of Reservoir "M," near Purdy's Station, in the Town of North Salem, Westchester County, New York, to February 1, 1894; and the Chief Engineer having recommended that such extension of time be granted; therefore

Resolved, That the Aqueduct Commissioners hereby grant to John L. Merritt, contractor, an extension of time to February 1, 1894, in which to complete the contract above referred to, providing his bondsmen shall, within ten days from the date hereof, enter into stipulations continuing their obligations for and during the completion of said contract under said extension of time, which is hereby allowed to him as further time for the performance of said contract; and provided also, that said contractor will stipulate and agree that all wood, brush and other debris will be burned or removed from the lower part of the reservoir up to the elevation of the present spillway (so that in case the water is raised in the reservoir by a freshet or otherwise, no floating object can reach the gate-house and obstruct the chambers therein contained) before December 1, 1893, or within such other time within the month of December as the Engineer shall designate; and will further stipulate and agree, in consideration of this extension, that he will waive all claim for damage whatsoever on account of the raising of the water in the reservoir that the Commissioners or their Engineer may order, or for such injury or damage as may be caused by the action of the elements, and that if any damage or loss be occasioned by such cause, he will waive all claim for compensation on account of damage, loss of time, or on account of other losses which he may suffer by reason of the rising of said water.

The same was adopted by the following vote:

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also presented final plan sheet, described as "Exhibit No. 5 of 1893," submitted by the Commissioner of Public Works on November 21, 1893, showing certain additional

parcels of land required for the construction of the New Croton Reservoir, in the Village of Katonah, Westchester County, New York, and recommended the adoption of the following resolution:

Resolved, That for the more efficient carrying out of the provisions of chapter 490 of the Laws of 1883, of the State of New York, and the acts amendatory thereof, we, the Aqueduct Commissioners, do hereby approve and adopt the aforesaid final plan sheet, showing certain additional parcels of land required for the construction of the New Croton Reservoir, in the Village of Katonah, Westchester County, New York, and direct that the same be duly certified and filed in this office, and designated "Final Plan Sheet No. 5 of 1893," and that a copy thereof be certified and transmitted to the Commissioner of Public Works for filing in his office, as required by section 2 of the aforesaid act; and the Commissioner of Public Works is hereby requested to submit six similar property maps showing the additional lands to be acquired for the construction of said reservoir.

The same was adopted by the following vote:

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also recommended the adoption of the following resolution:

Resolved, That the accompanying bill for taxes due the Town of Southeast, Putnam County, New York, School District No. 2, amounting to one hundred and twenty dollars and thirty-nine cents ($120.39), is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Scott, the same was adopted.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 9191 to 9206, inclusive, amounting to $603.65, and of estimate contained in Voucher No. 9207, amounting to $1,724.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the minutes of meeting of November 15, 1893, were ordered approved.

The Commissioners then adjourned.

J. C. LULLEY, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, November 29, 1893, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Scott and Cannon.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 9211 to 9222, inclusive, amounting to $556.10.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Construction or Executive Committee recommended the adoption of the following resolution:

Resolved, That the action of the Chief Engineer in appointing the following persons, on the dates and at the rates hereinafter named, be and hereby is approved:

Abraham Clerke, Laborer, $2 per day, November 21.
Oscar Meirsch, Teamster, with team, $4 per day, November 21.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That the action of the Chief Engineer in discharging the following persons, on the dates hereinafter named, be and hereby is approved:

Roswell B. Totten, Foreman, November 24.
Martin Dwyer, Laborer, November 24.
Stephen A. Hynard, Laborer, November 24.
Edward Connors, Laborer, November 24.
John Fitzpatrick, Laborer, November 24.
H. S. Otis, Laborer, November 24.
Randolph Lowerre, Laborer, November 28.
Oscar Miersch, Teamster, with team, November 22.

Philip Kurkenmeister, Laborer, November 28.
John B. Carpenter, Laborer, November 28.
William Strang, Laborer, November 28.

On motion of Commissioner Scott, the same was adopted.

The Committee also presented six similar property maps, received from the Commissioner of Public Works on November 27, 1893, showing certain additional parcels of land required for the construction of the New Croton Reservoir, in the village of Katonah, Westchester County, New York, and recommended the adoption of the following resolution :

Resolved, That the six similar property maps received from the Commissioner of Public Works on November 27, 1893, showing certain additional parcels of land required for the construction of the New Croton Reservoir, in the village of Katonah, Westchester County, New York, be and the same are hereby approved and adopted, and directed to be certified and transmitted to the Counsel to the Corporation for filing and delivery to the Commissioners of Appraisal, in accordance with the provisions of chapter 490 of the Laws of 1883 of the State of New York ; and the Counsel to the Corporation is hereby requested to take the steps necessary to acquire for the City, under chapter 490 of the Laws of 1883 of the State of New York, the fee in the lands described on said maps ; and the Secretary is hereby directed to furnish to the Counsel to the Corporation all maps, plans, etc., which he may require in the premises.

The same was adopted by the following vote :

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also presented map, in triplicate, received from the Chief Engineer, showing land to be acquired for Reservoir "D," on the West Branch of the Croton river, near Carmel, New York, and recommended the adoption of the following resolution :

Resolved, That the Secretary be and hereby is directed to transmit said maps to the Department of Public Works, with the statement that the same are forwarded to said Department in accordance with the advice of Mr. H. T. Dykman, Special Counsel for the City, that said lands be acquired under the Law of 1877 by the Department of Public Works of the City of New York, and to respectfully request that all possible speed be exercised in acquiring such land.

On motion of Commissioner Scott, the same was adopted.

The Commissioners then adjourned.

J. C. LULLEY, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their Office, No. 209 Stewart Building, on Wednesday, December 6, 1893, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Scott and Cannon.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 9226 to 9236, inclusive, amounting to $386.03, and of estimates contained in Vouchers Nos. 9237 to 9242, inclusive, amounting to $94,455.87.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Construction or Executive Committee recommended the adoption of the following resolution:

Resolved, That the action of the Chief Engineer in discharging the following persons, on December 1, 1893, be and hereby is approved:

Henry Bailey, Foreman.	James Adams, Laborer.
John Gallery, Jr., Laborer.	Mark Spencer, Foreman, with team.

On motion of Commissioner Tucker, the same was adopted.

The Comptroller, under date of November 30, 1893, gave notice of the issue of warrants for the payment of vouchers not certified to by the Aqueduct Commissioners, for—

New Croton Dam, Cornell site	$596 75
Cornell Dam	6,436 co
Katonah	1,956 60

—leaving a balance to the credit of "Additional Water Fund" of $364,978.64.

And stating that bonds have been issued as follows:

November 2	$100,000 00
November 21	400,000 00

Which was ordered entered upon the books of the Commission and filed.

On motion of Commissioner Tucker, the minutes of stated meeting of November 22, 1893, were ordered approved.

The Commissioners then adjourned.

J. C. LULLEY, Secretary.

NOTE—On Wednesday, December 13, 1893, no quorum being present, the meeting stood adjourned.

J. C. LULLEY, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their Office, No. 209 Stewart Building, on Wednesday, December 20, 1893, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Scott and Cannon.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 9245 to 9270, inclusive, amounting to $1,271.11.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Construction or Executive Committee presented the following communication received from the Secretary, and recommended that the same be spread in full on the minutes and filed :

NEW YORK, December 13, 1893.

To the Committee on Construction :

GENTLEMEN—It is with extreme regret that I have to inform you of the death, on Thursday, December 7, 1893, of Mr. Charles J. Febre, Bookkeeper for many years in the office of the Secretary of the Aqueduct Commission.

Mr. Febre has been connected with the Commission almost since its organization, and I desire to testify to the ability and faithfulness with which he has served the Commission to the time of his death.

Very respectfully,

J. C. LULLEY, Secretary.

On motion of Commissioner Scott, the recommendation was approved and a copy of the above action directed to be sent to the family of Mr. Febre.

The Committee also recommended the adoption of the following preamble and resolution :

Whereas, Application has been made by John Twiname, contractor, for an extension of time for the completion of his contract for constructing highways or roads and their appurtenances, fences, etc., at Reservoir "M," in the Town of North Salem, Westchester County, New York; and the Chief Engineer having recommended that an extension of time be granted to June 1, 1894 ; therefore

Resolved, That the Aqueduct Commissioners hereby grant to John Twiname, contractor, an extension of time to June 1, 1894, in which to complete the contract above referred to, providing his bondsmen shall, within ten days from the date hereof, enter into stipulations continuing their obligations for and during the completion of said contract under said extension of time, which is hereby allowed to him as further time for the performance of said contract; and provided also, that the work be continued in such a manner as to now establish as safe traffic as possible for the public; and provided, further, that said contractor will waive all claims for damages whatsoever on account of any raising or lowering of the water in the reservoir that the Commissioners or their Engineer may order, or from such injury or damage as may be caused by the action of the elements; and provided, further, that if any damage is done to his work by such cause, he will waive all claim for compensation on account of damage, loss of time, or on account of other losses which he may incur from the rising of said water.

The same was adopted by the following vote:

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, an appropriation of seventy-five dollars ($75) is hereby made to cover the cost of repairs to the house now being occupied by the Janitor of the office building at the New Croton Dam.

The same was adopted by the following vote:

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also presented the following communication, received from the Chief Engineer:

NEW YORK, December 13, 1893.

To the Honorable the Committee on Construction:

GENTLEMEN—On December 6, I informed you that I had asked for a new set of bids for the pipes and special castings for the New Croton Dam. The new bids received are as follows:

Coldwell-Wilcox Company	$1,176 91
McNeal Pipe and Foundry Company	1,251 31
R. D. Wood & Co	1,371 73
Warren Foundry and Machine Company	1,445 32

The award of the work to Messrs. Coldwell-Wilcox Company, the lowest bidder, is respectfully recommended.

I am, respectfully,

A. FTELEY, Chief Engineer.

P. S. The above amounts have been obtained from a comparison of prices on 34.16 tons of straight pipes and 5.6665 tons of special castings, as indicated on the plans.

The tenders of the various bidders are sent herewith. A. F.

—and recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, the work of furnishing pipes and special pipe castings, required for the New Croton Dam, be and hereby is awarded to Coldwell-

Wilcox Company, the lowest bidders, at their bid of one thousand one hundred and seventy-six dollars and ninety-one cents ($1,176.91); and an appropriation of said amount is hereby made to cover the cost thereof.

The same was adopted by the following vote:

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bills of R. D. Philbin, Samuel Hopkins and William James, for transportation between New York and Brewster and Croton Lake, and for board at Brewster and Croton Lake, amounting to forty-three dollars and twenty-four cents, thirteen dollars and eighty-five cents and fifty-six dollars and forty-four cents, respectively, be and hereby are approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, the following bills are approved and ordered certified to the Comptroller for payment:

1st. Of Patterson Brothers, for repairs to electric bell and lock on door of Chief Engineer's office, amounting to five dollars and twenty-five cents.

2d. Of M. S. Benedict, for ice used at Katonah office, from May 15 to November 15, 1893, amounting to nine dollars.

3d. Of Vernon Twigger, for use of team with driver, engaged in hauling stone at the New Croton Gate-house, amounting to seventy-four dollars.

4th. Of H. S. Bailey, for use of one yoke of oxen and wagon with driver, engaged in hauling stone at the New Croton Gate-house, amounting to forty-four dollars.

5th. Of Coleman and Washburn and Washburn, for four bags of cement ordered by Chief Engineer for use of Aqueduct Commissioners, amounting to two dollars and ninety cents.

6th. Of Kellogg & Elliott, for furnace with necessary fittings for office of Division Engineer Wegmann, at Katonah, N. Y., amounting to one hundred and seventy-five dollars.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That the action of the Chief Engineer in discharging Edward Burke, Foreman, and James Healey, Laborer, on December 12, 1893, be and hereby is approved.

On motion of Commissioner Scott, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of William E. Gahn, for building three hundred and eighty-nine feet of wire fence in Reservoir "D,"

amounting to twenty-five dollars ($25), is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Scott, the same was adopted.

The Committee also presented the following communication, received from the Chief Engineer:

NEW YORK, December 20, 1893.

To the Hon rable the Committee on Construction:

GENTLEMEN—Owing to the additional margin of land which we are now surveying around the Brewster Reservoirs, and also for the purpose of preserving the main points of the boundaries, it will be necessary to order a number of stone monuments to be placed at each angle. I asked for bids from John W. Thorp, of Brewster, and from J. B. Fagin & Sons of the same place, for one hundred of such monuments to be delivered at our office in Brewster within sixty days, and for as many more as may be required.

Both firms offered to do the work for the same price, i. e., $5 apiece.

Since then I have received from Messrs. Pennell & O'Hern, of Yonkers, an unsolicited bid offering to do the work for $4.50 for each monument, and Messrs. J. B. Fagin & Sons have also sent another bid reducing their price to $4.50 for each monument.

Later again Messrs. Washburn, Shaler & Washburn, of Purdy's Station, having heard of this opportunity, offered to do the work under the same specifications and plans for $3.25 for each monument. Under the circumstances I would recommend that the work be given to Messrs. Washburn, Shaler & Washburn.

I am, respectfully,

A. FTELEY, Chief Engineer.

—and recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, the work of furnishing stone monuments required to preserve the boundaries of the Brewster Reservoirs and for the additional margin of land which is now being surveyed around said reservoirs is hereby awarded to Washburn, Shaler & Washburn, the lowest bidders, at their bid of three dollars and twenty-five cents ($3.25) for each monument.

The same was adopted by the following vote:

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

The Committee also presented the following communications:

DEPARTMENT OF PUBLIC WORKS,
COMMISSIONER'S OFFICE, NO. 31 CHAMBERS STREET,
NEW YORK, December 13, 1893.

Gen. JAMES C. DUANE, *President Aqueduct Commission:*

DEAR SIR—I transmit herewith for approval by the Aqueduct Commissioners a map of lands required for a new Receiving Reservoir, in the Twenty-fourth Ward, with owners' names so far as known without making searches, which will have to be done by the Counsel to the Corporation.

Please return the map to this office as early as possible, and I will submit it to the Counsel to the Corporation to have searches made in order to perfect the map.

Very respectfully,

MAURICE F. HOLAHAN, Deputy and Acting Commissioner of Public Works.

CHIEF ENGINEER'S OFFICE—AQUEDUCT COMMISSIONERS,
ROOM NO. 213, STEWART BUILDING,
NEW YORK, December 20, 1893.

To the Honorable the Committee on Construction:

GENTLEMEN—I respectfully return herewith the communication of Acting Commissioner of Public Works, Maurice F. Holahan, which you referred to me.

The map of the Jerome Park Reservoir, transmitted by the Commissioner, differs in some respects from the joint map of June 7, 1893, but these differences are not material and were satisfactorily explained to me by Chief Engineer Birdsall, with whom I conferred on the subject, at your request.

I do not see any objection to your approval of this map, subject to such modifications and additions as the Aqueduct Commissioners may from time to time find necessary.

While the Counsel to the Corporation is searching the titles of the various parcels of land involved, and in view of the time needed for those proceedings, I would suggest that the Aqueduct Commissioners now take such steps, under section 2 of the Laws of 1883, as will forward the preparation of the plans for the construction of the proposed work and the submission of the same to the public.

I am, respectfully,

A. FTELEY, Chief Engineer.

—and recommended the adoption of the following preambles and resolutions:

Whereas, Heretofore and on the 7th day of June, 1893, the Aqueduct Commissioners did adopt the following resolutions:

"Resolved, That the Aqueduct Commissioners hereby determine upon and direct the construction of a reservoir within the city limits, north of the Harlem river, to a point and of the dimensions indicated in a joint report made to this Commission by the Chief Engineer of this Commission and the Chief Engineer of the Croton Aqueduct, dated June 4, 1889, and the Commissioner of Public Works is hereby requested to prepare and submit to us such plans, maps, specifications, estimates and details to provide for the construction of said reservoir as shall be sufficient and requisite for the public hearing required by law."

"Resolved, That the Commissioner of Public Works be and hereby is requested to prepare and submit to the Aqueduct Commissioners a final plan sheet showing the amount and description of the several parcels of land neeessary to be taken to construct a reservoir within the city limits, north of the Harlem river, within the lines submitted to this Commission by the joint report of the Chief Engineer of the Aqueduct Commission and the Chief Engineer of the Croton Aqueduct on June 4, 1889."

And Whereas, The Commissioner of Public Works did, on the 13th day of December, 1893, transmit to the Aqueduct Commissioners a map or plan, signed by the Chief Engineer of the Croton Aqueduct, showing the proposed location and exterior boundaries of the land to be acquired for the purpose of constructing said reservoir, which map or plan agrees substantially with the plan submitted to this Commission by the joint report of the Chief Engineer of the Aqueduct Commissioners and the Chief Engineer of the Croton Aqueduct on June 4, 1889.

Resolved, That the Aqueduct Commissioners hereby approve of the aforesaid map or plan, submitted by the Commissioner of Public Works on December 13, 1893, and request the said Com-

missioner of Public Works to prepare and submit to the Aqueduct Commissioners a final plan sheet showing the amount and description of the several parcels of land necessary to be taken to construct said reservoir within the lines shown upon the map or plan submitted to this Commission as aforesaid on December 13, 1893, and that said Commissioner of Public Works be and hereby is further requested to prepare and submit to this Commission such plans, maps, specifications, estimates and details to provide for the construction of said reservoir as shall be sufficient and requisite for the public hearing required by law.

The same was adopted by the following vote :

Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4.

On motion of Commissioner Tucker, the minutes of meeting of November 29, 1893, were ordered approved.

The Commissioners then adjourned.

J. C. LULLEY, Secretary.

NOTE.—On Wednesday, December 27, 1893, no quorum being present, the meeting stood adjourned.

J. C. LULLEY, Secretary.

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